

09413083-101499

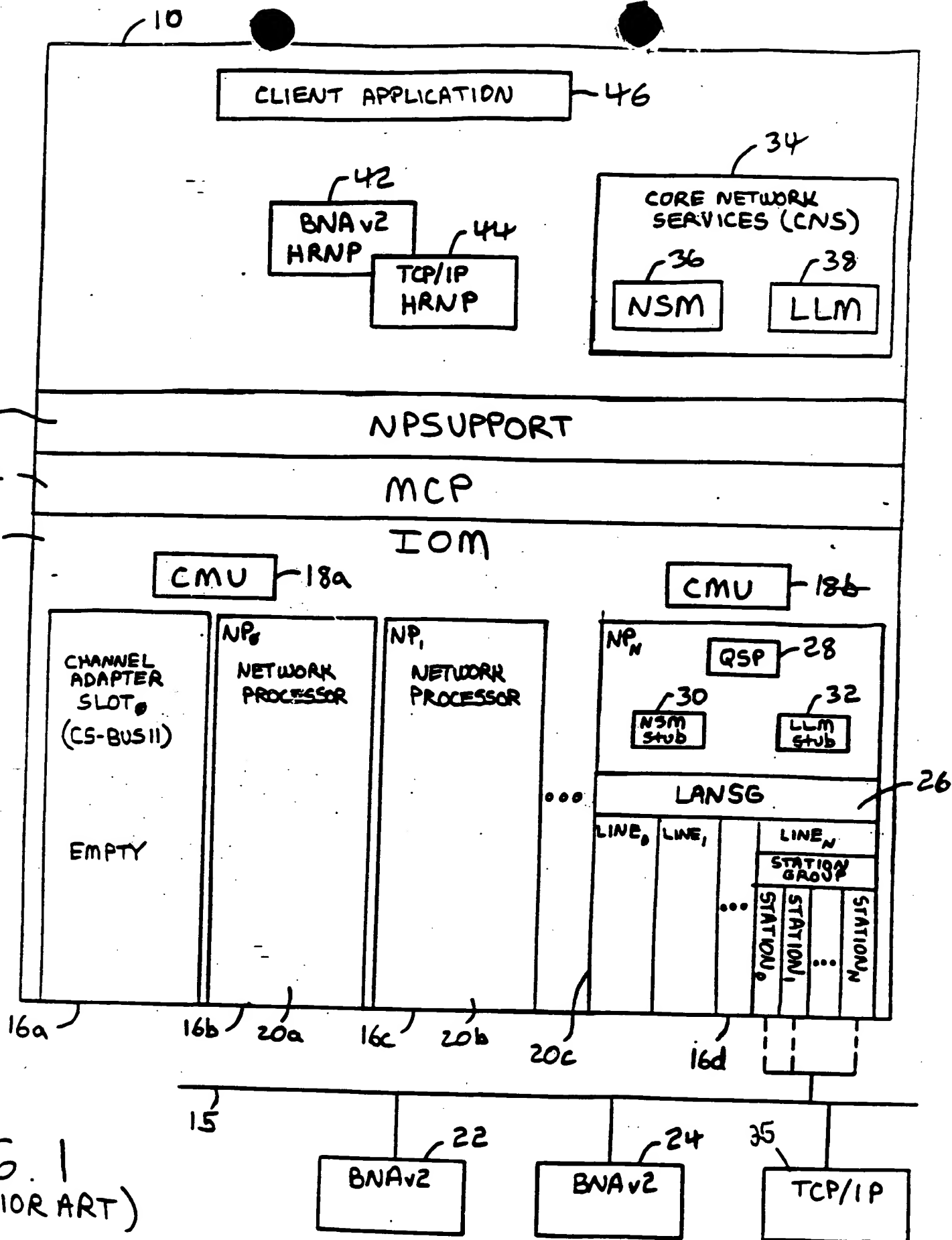


FIG. 1
(PRIOR ART)

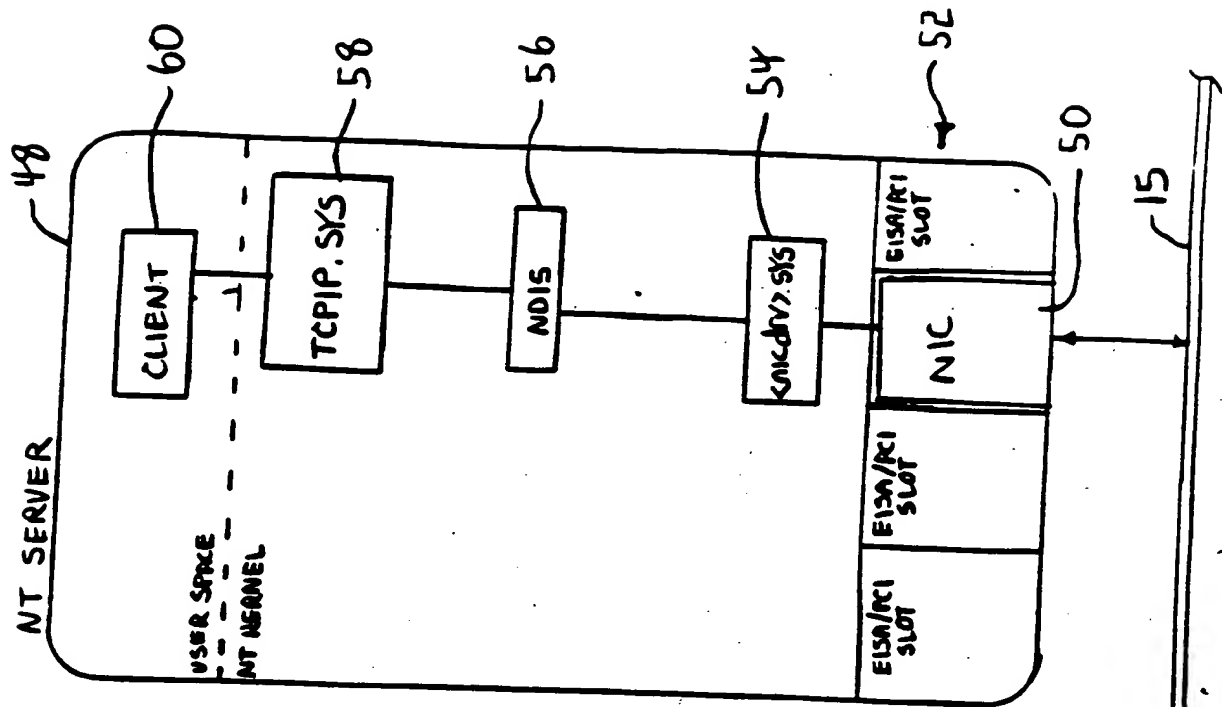
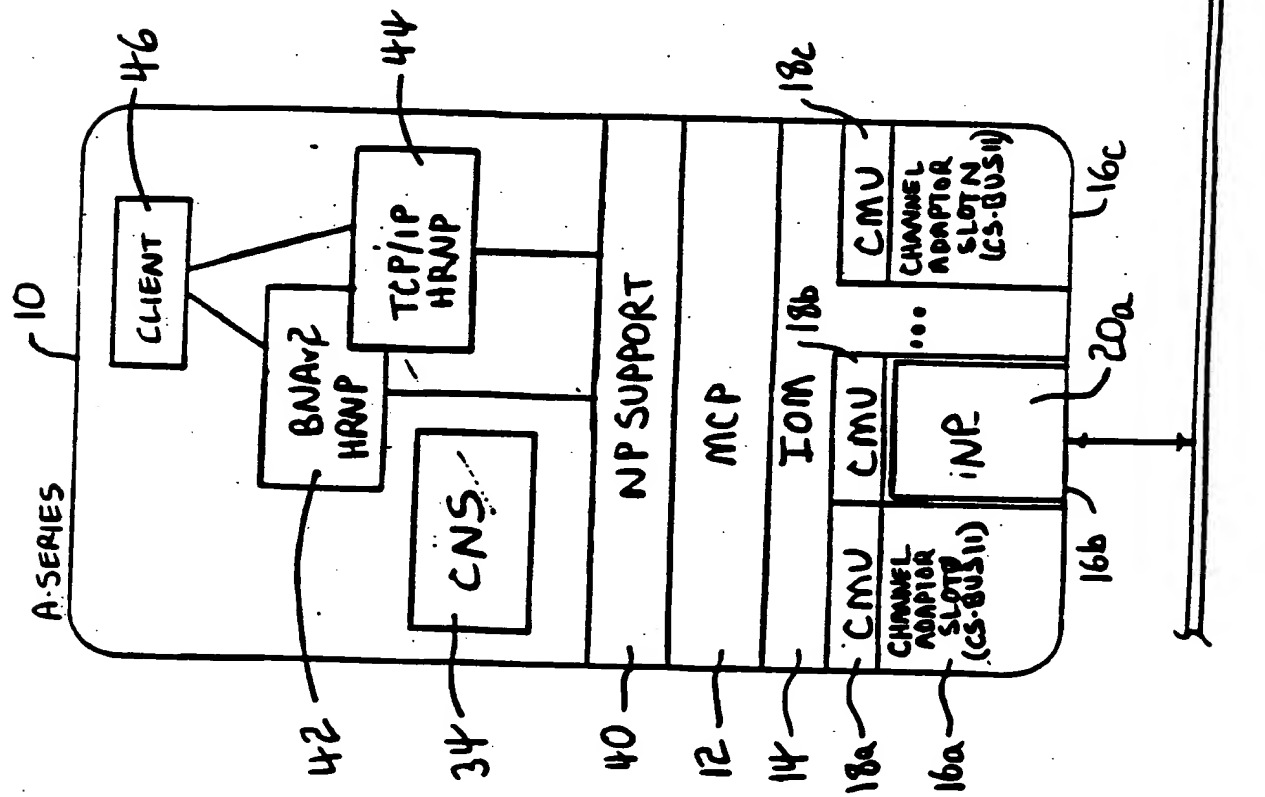


FIG. 2 (Prior Art)

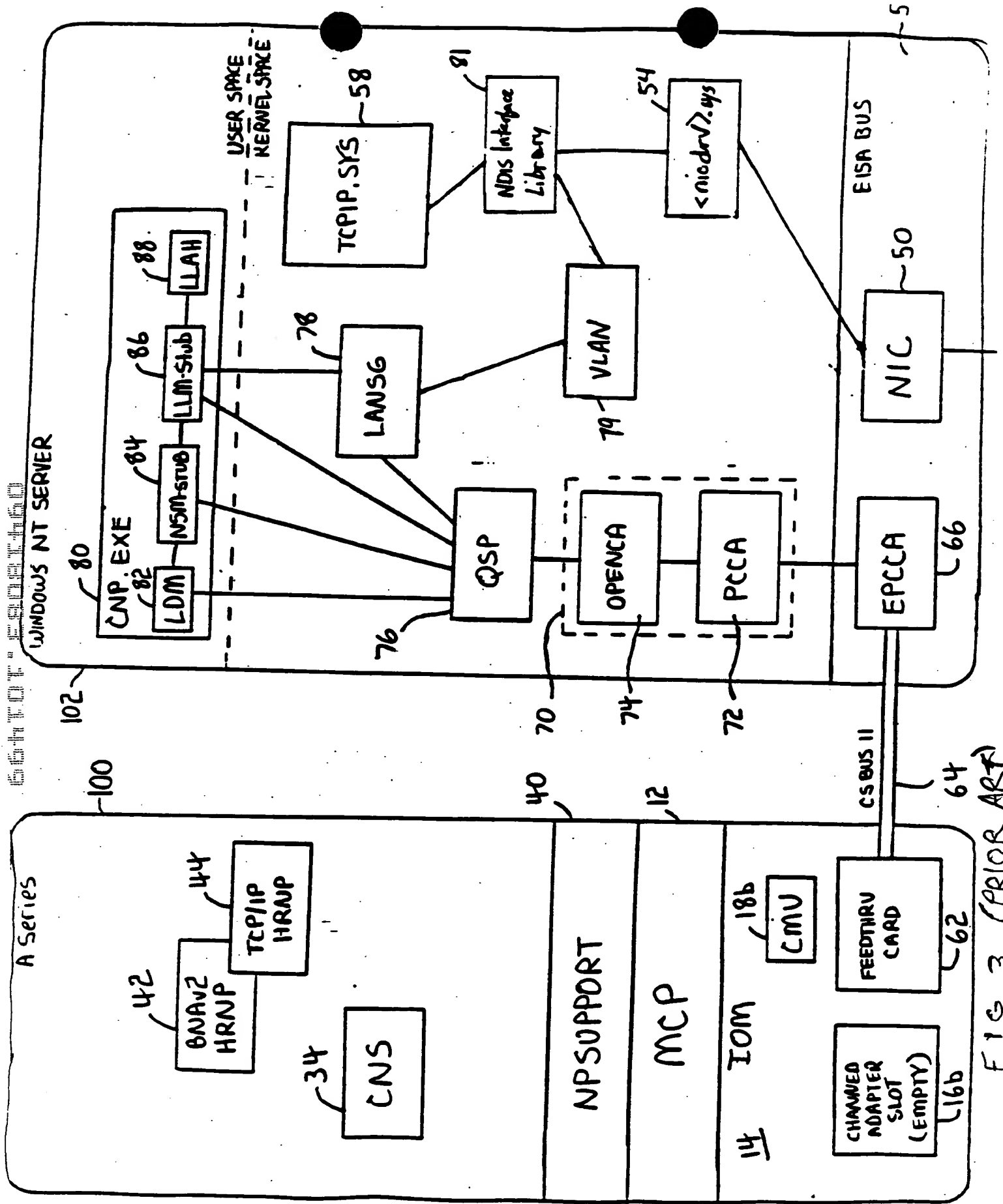


FIG 3 (PRIOR ART)

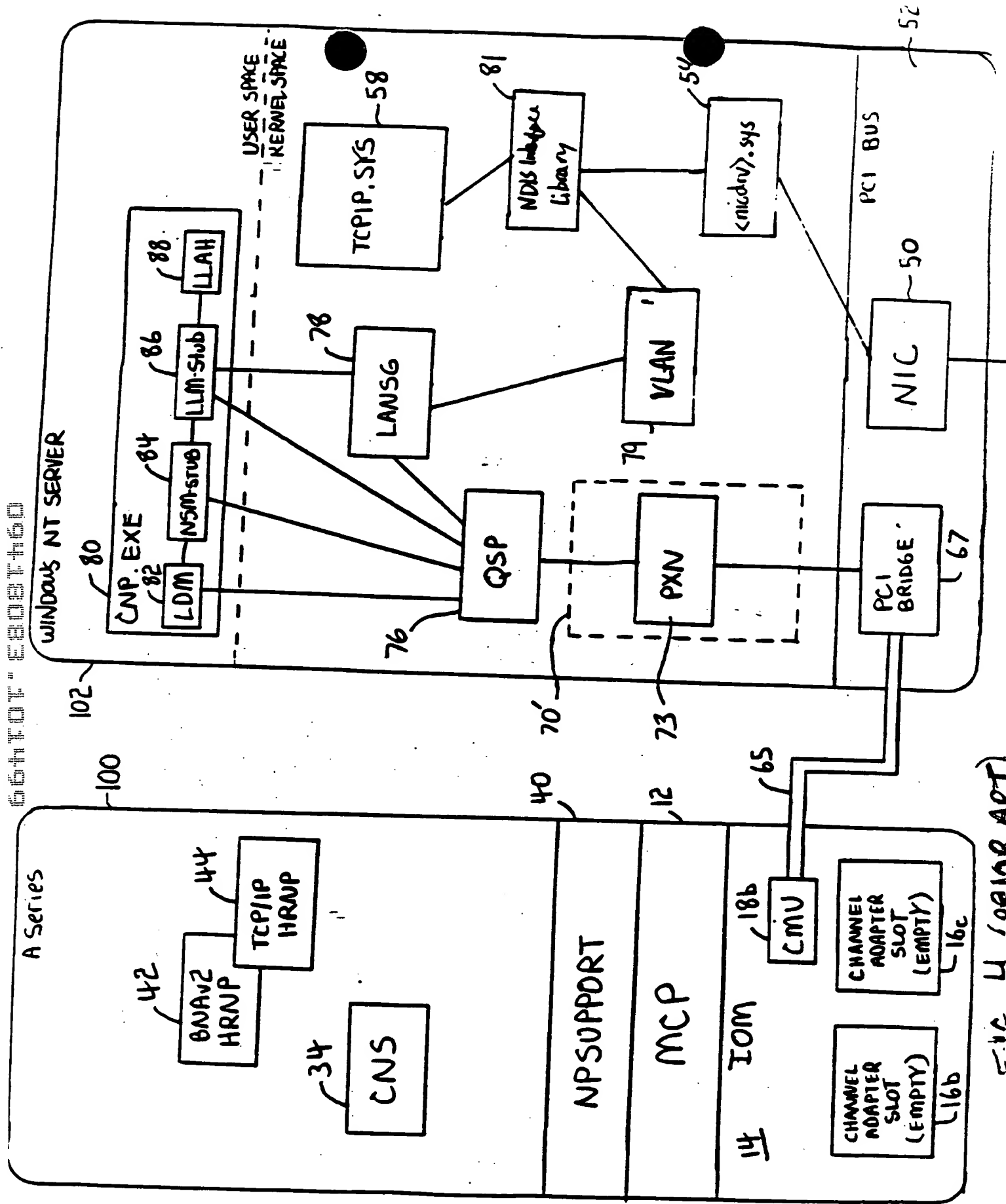
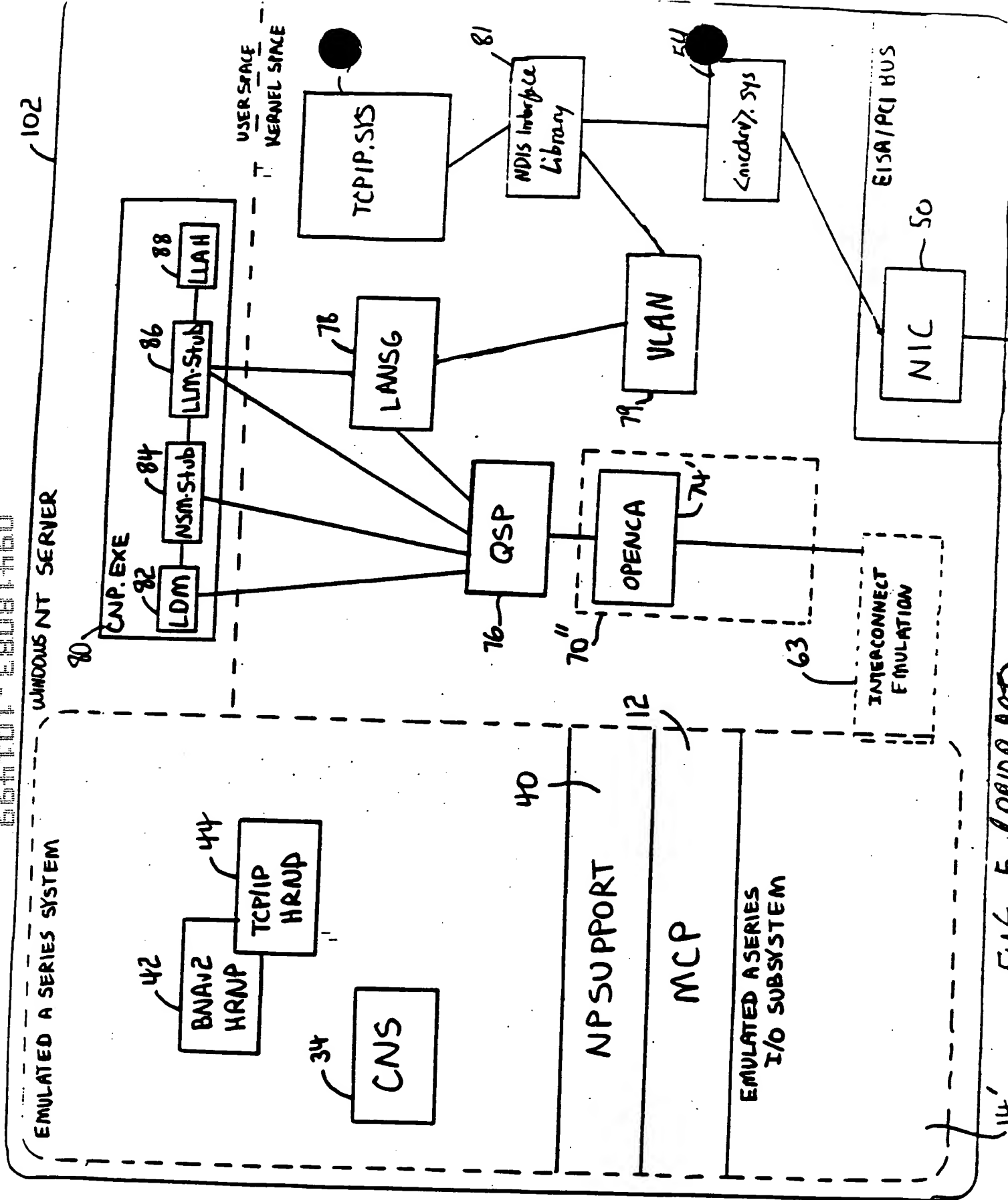


FIG 4 (PRIOR ART)



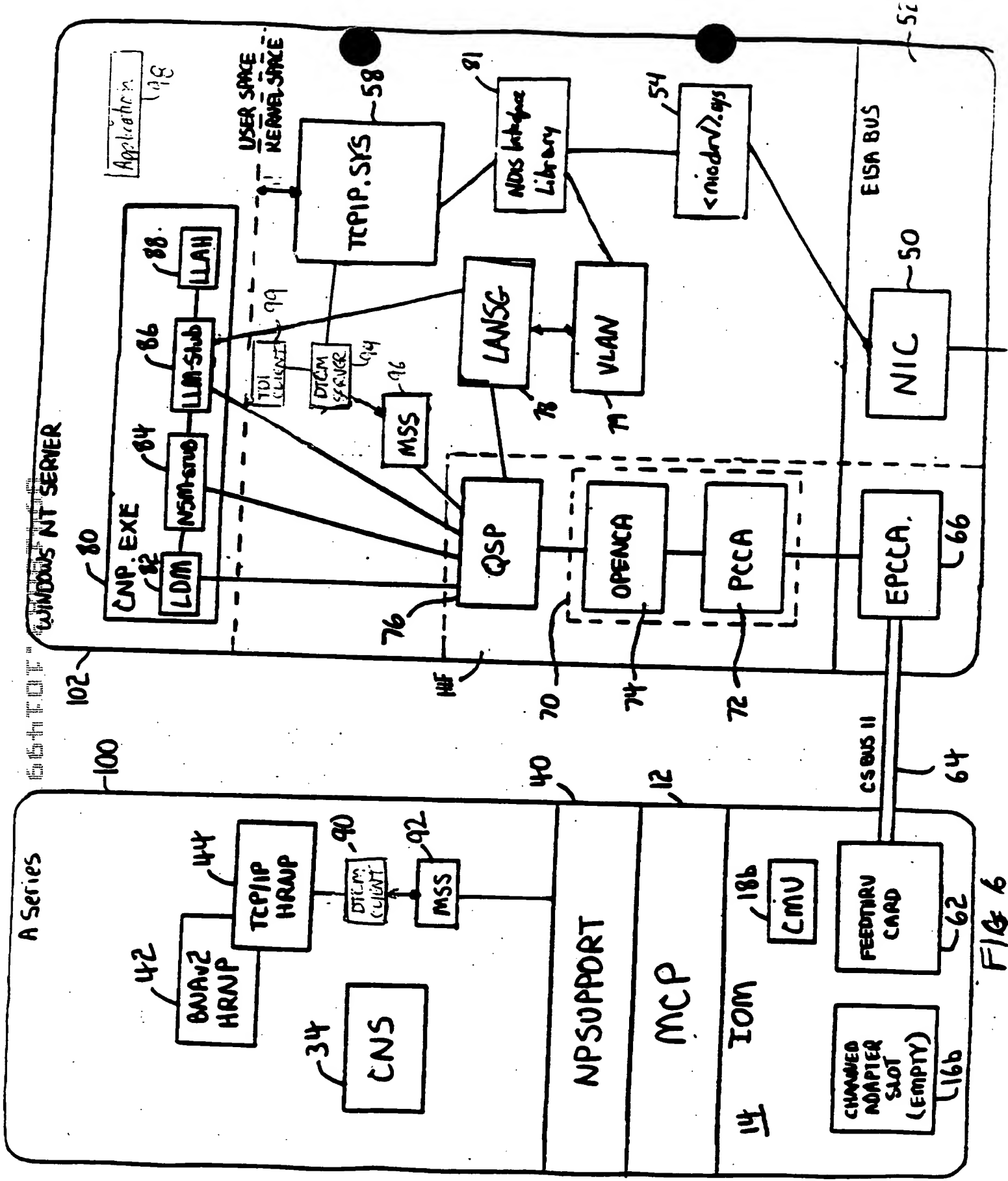


FIG 6

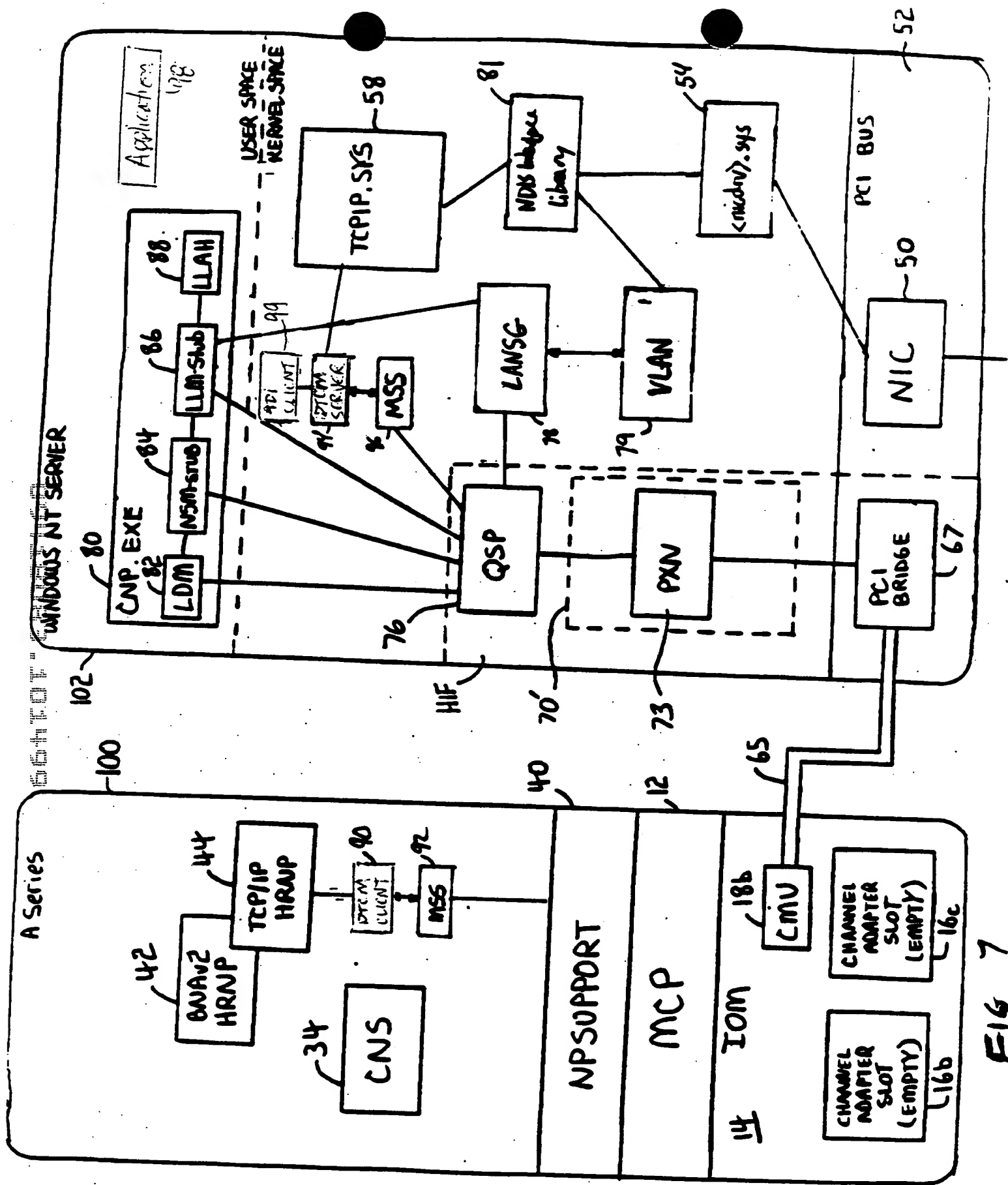
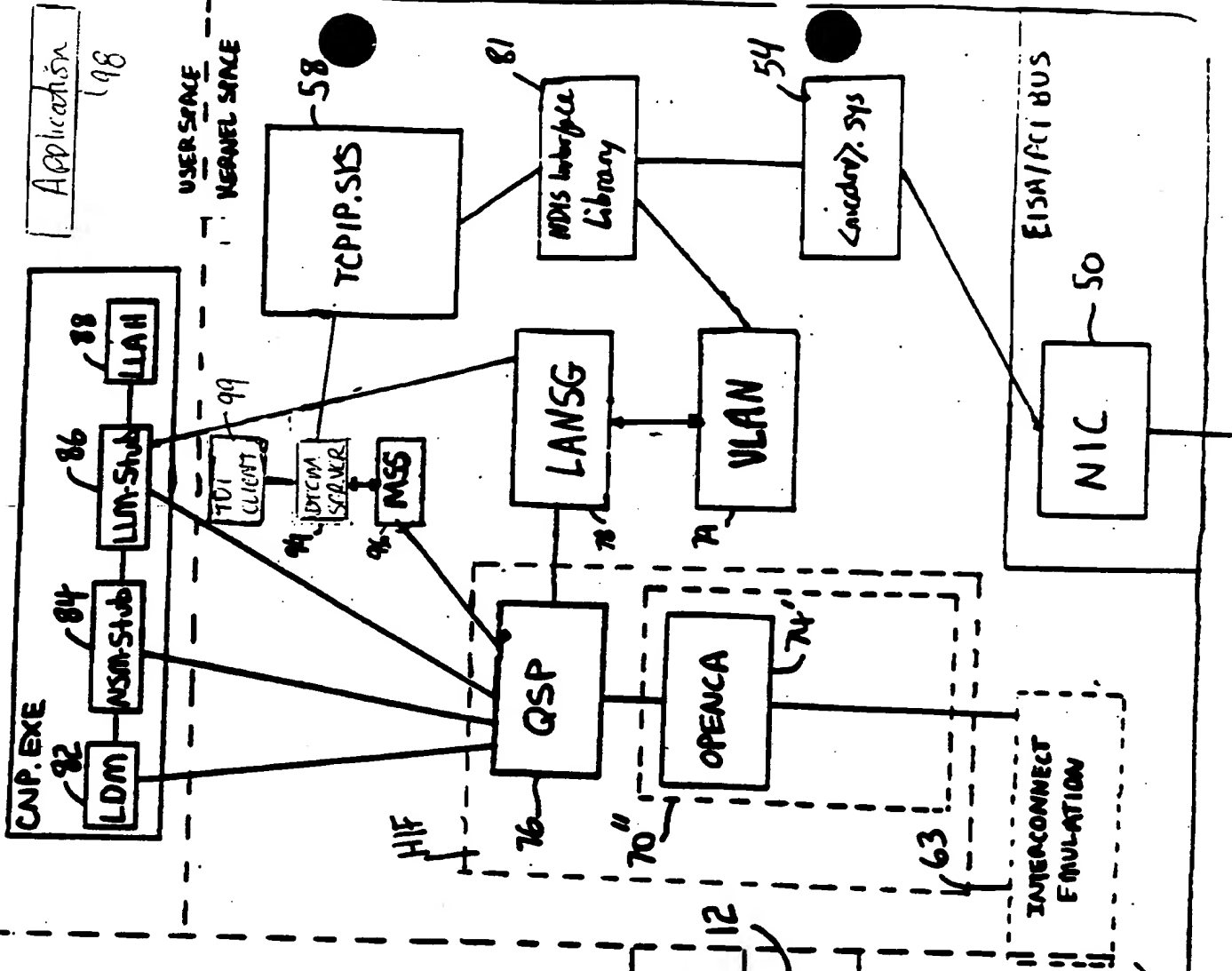
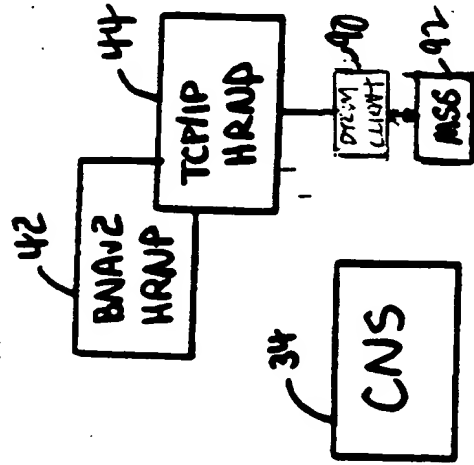


FIG 7



QSP:

Client calls QSP, passing a request
which points to non-contiguous
message segments

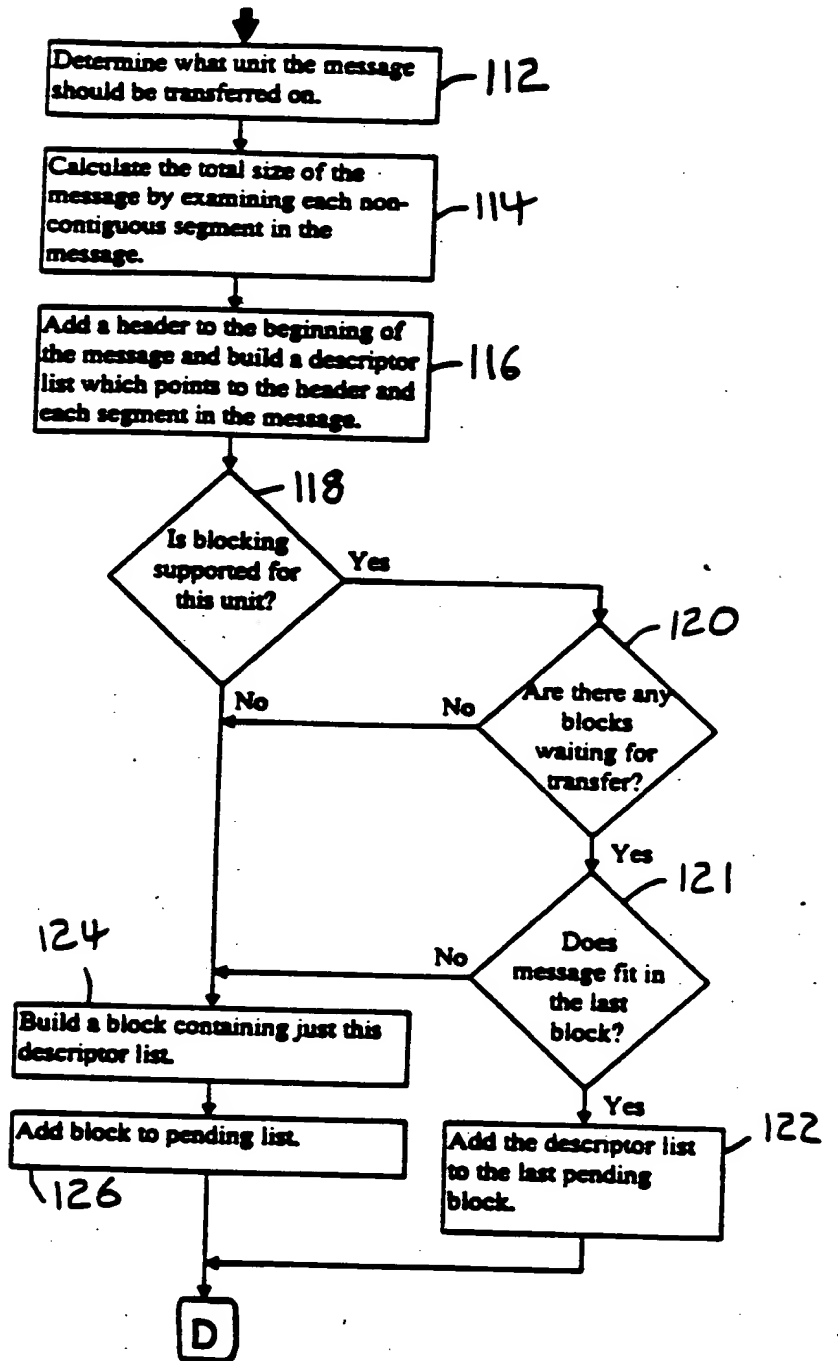


FIG. 9A

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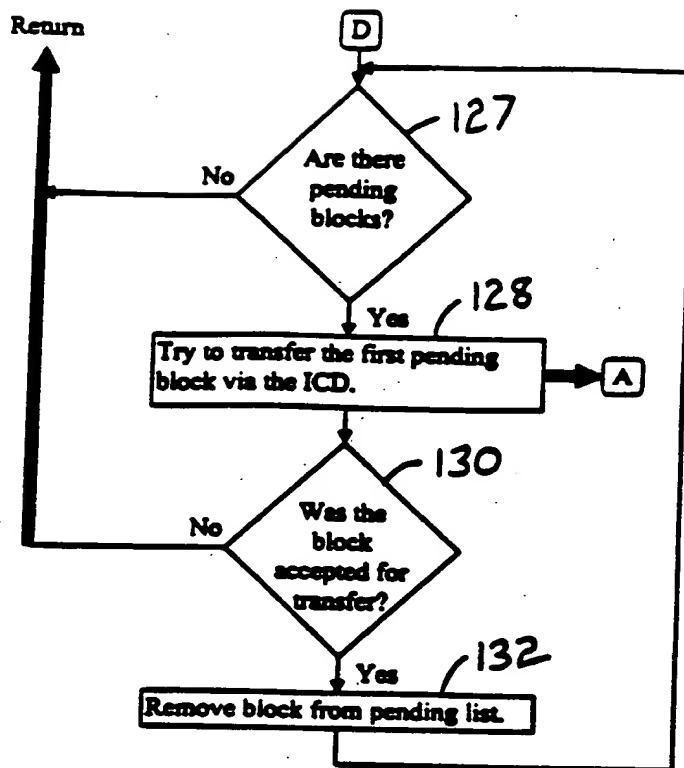


FIG. 9B

ICD:

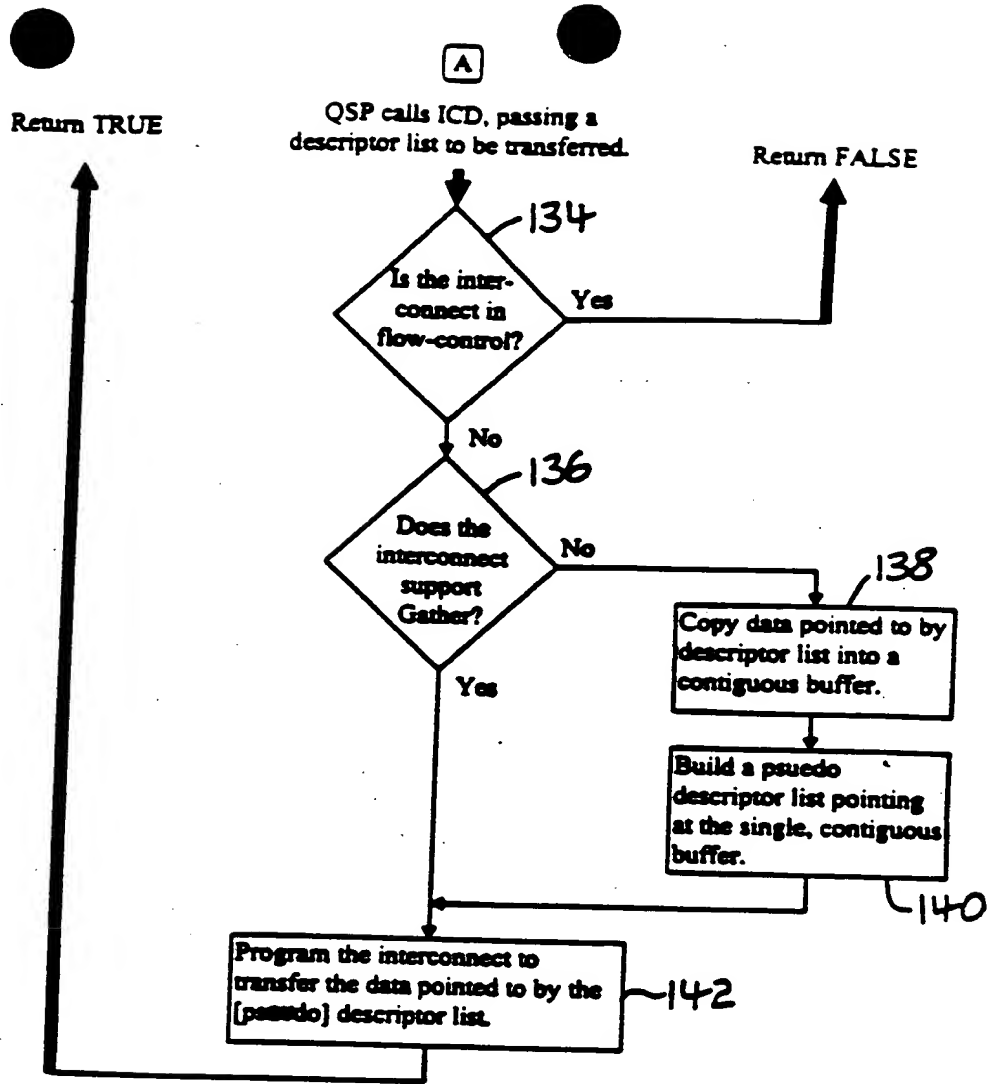
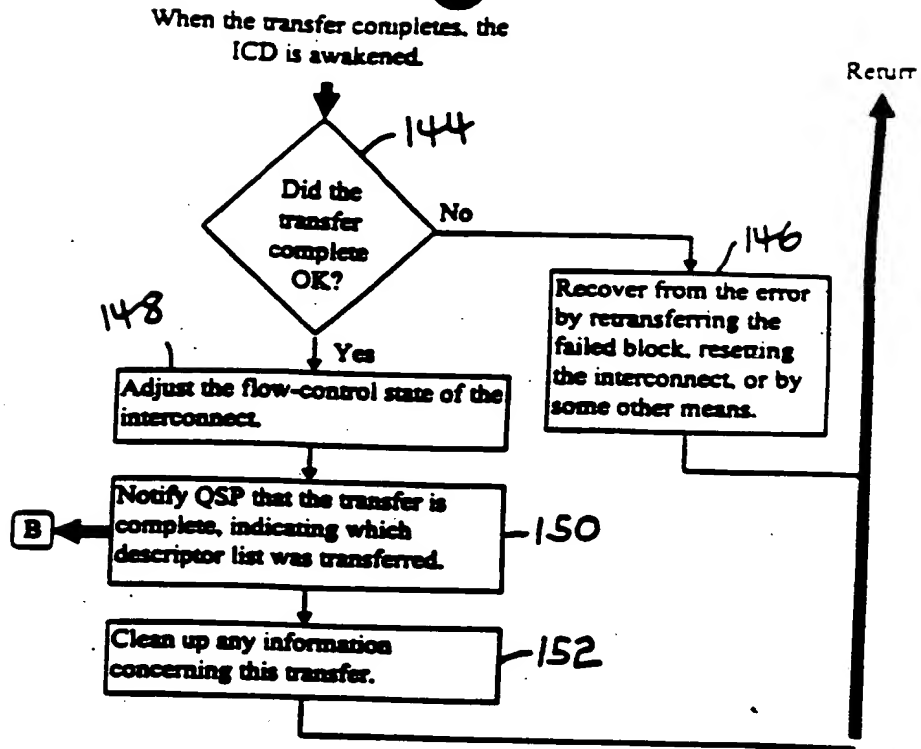


FIG. 9C

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ICD:



QSP:

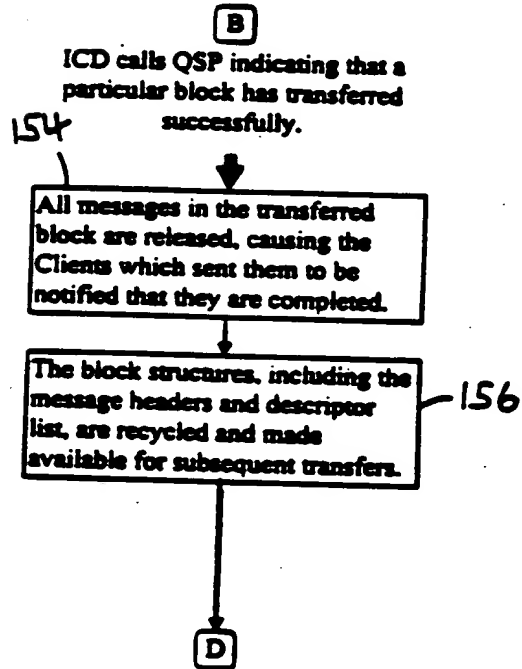
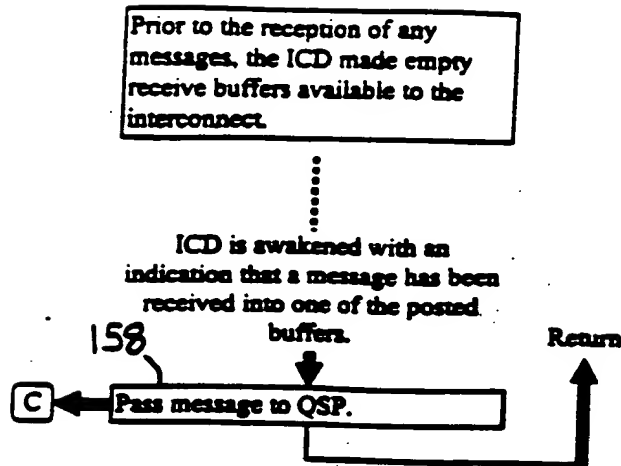


FIG. 9D

ICD:



OSP:

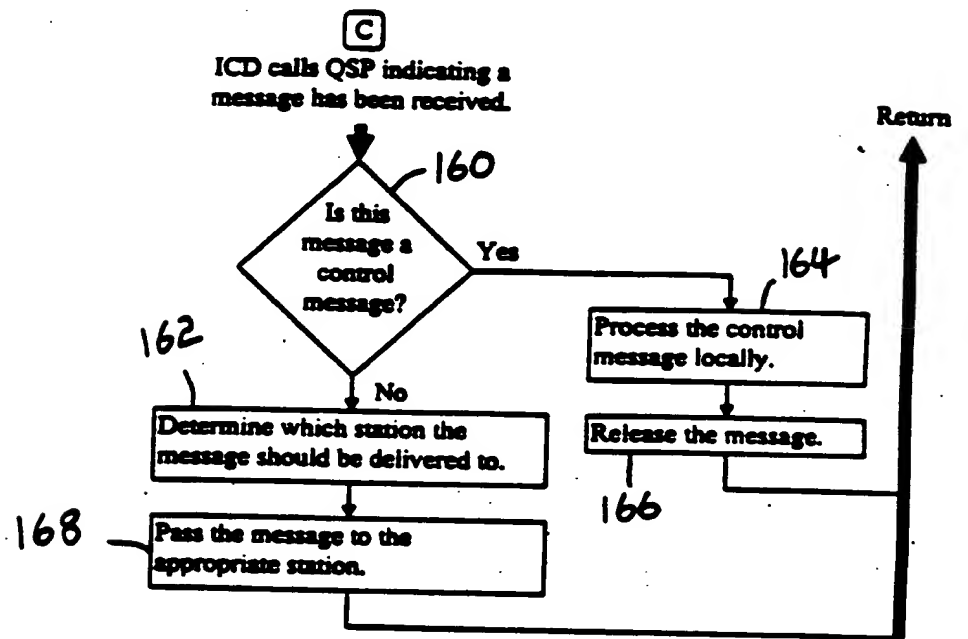


FIG. 9E

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ICD:

ICD's free message call
function is invoked when QSI or
one of its Clients releases the
message buffer.

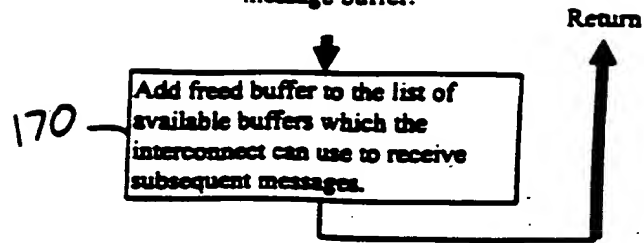
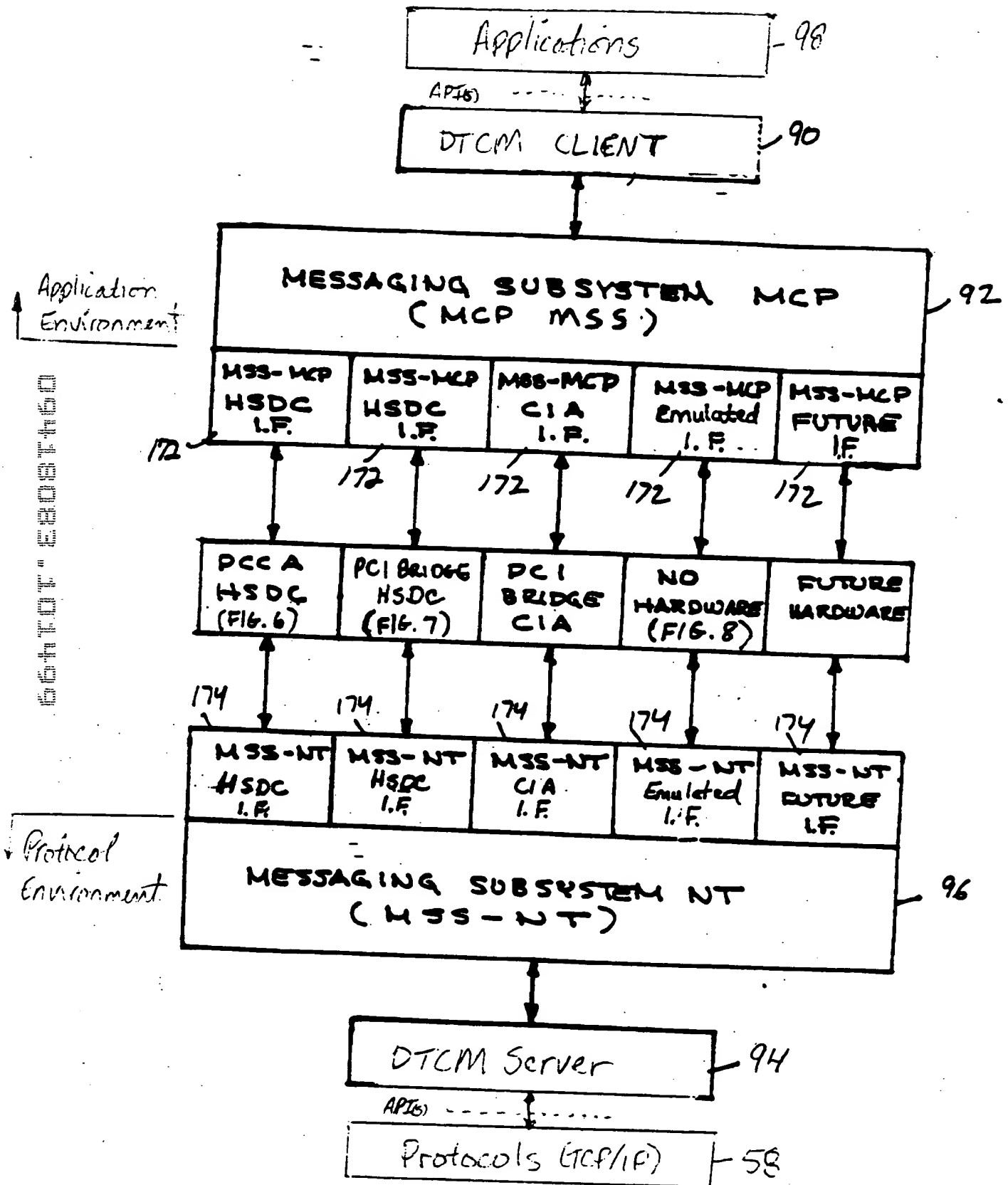


FIG. 9F

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FIGURE 10



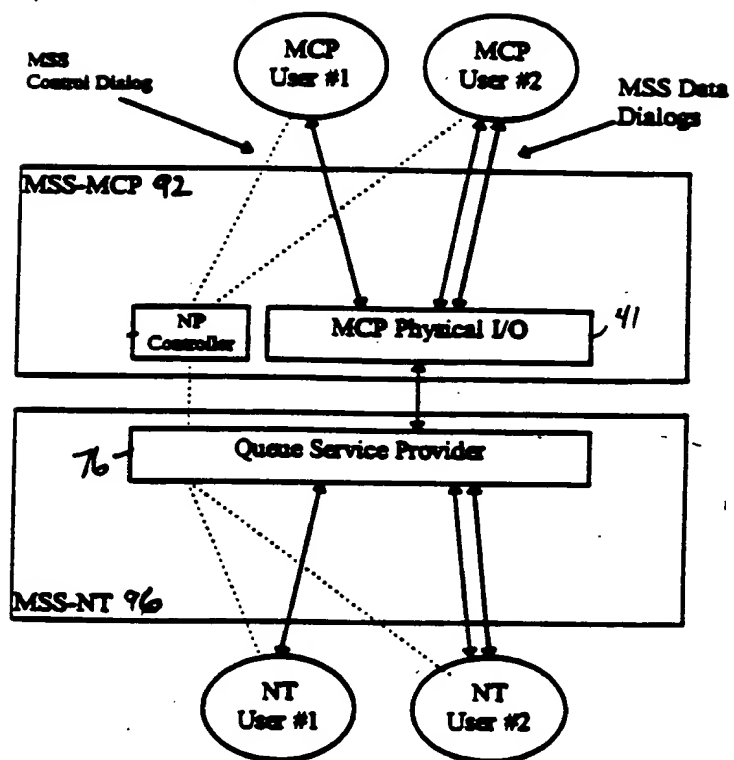


FIGURE 11

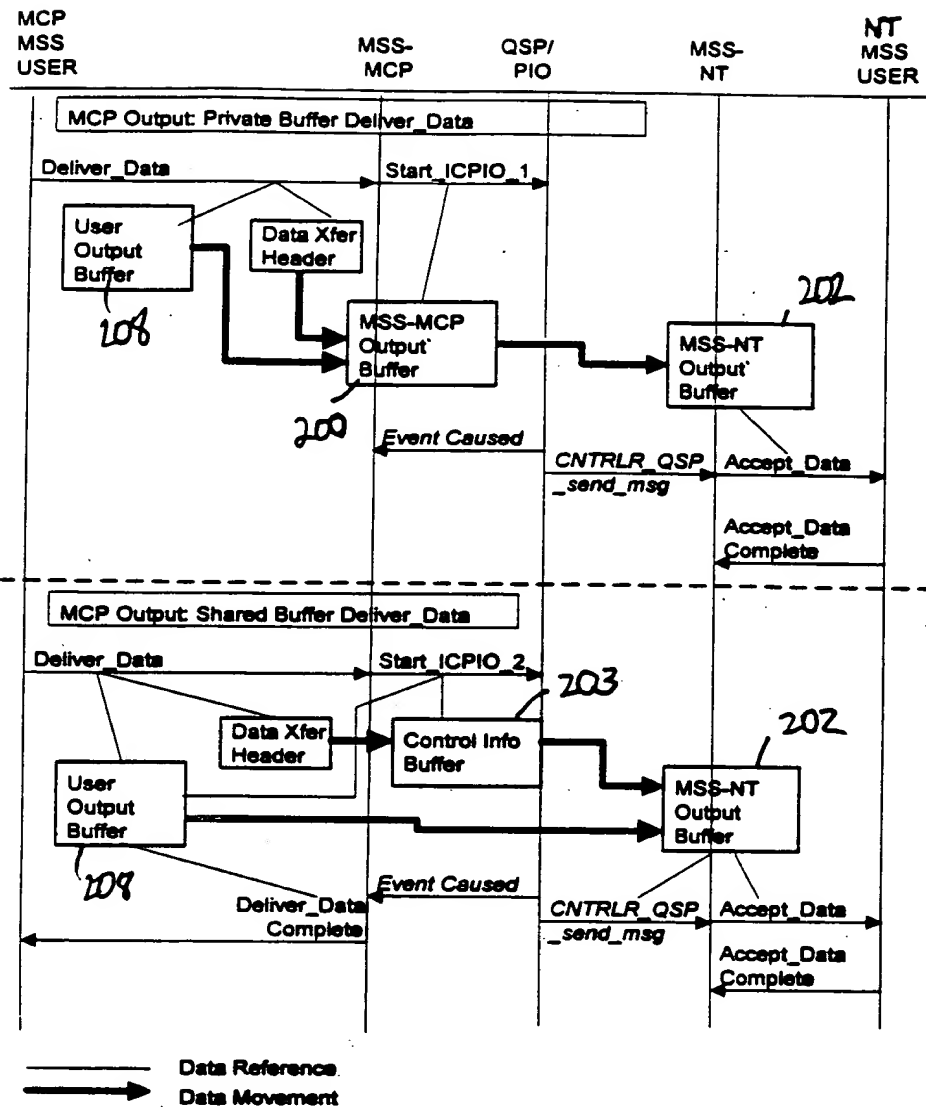


Figure 12 QSP-Based Output Data Transfer Flow Diagram

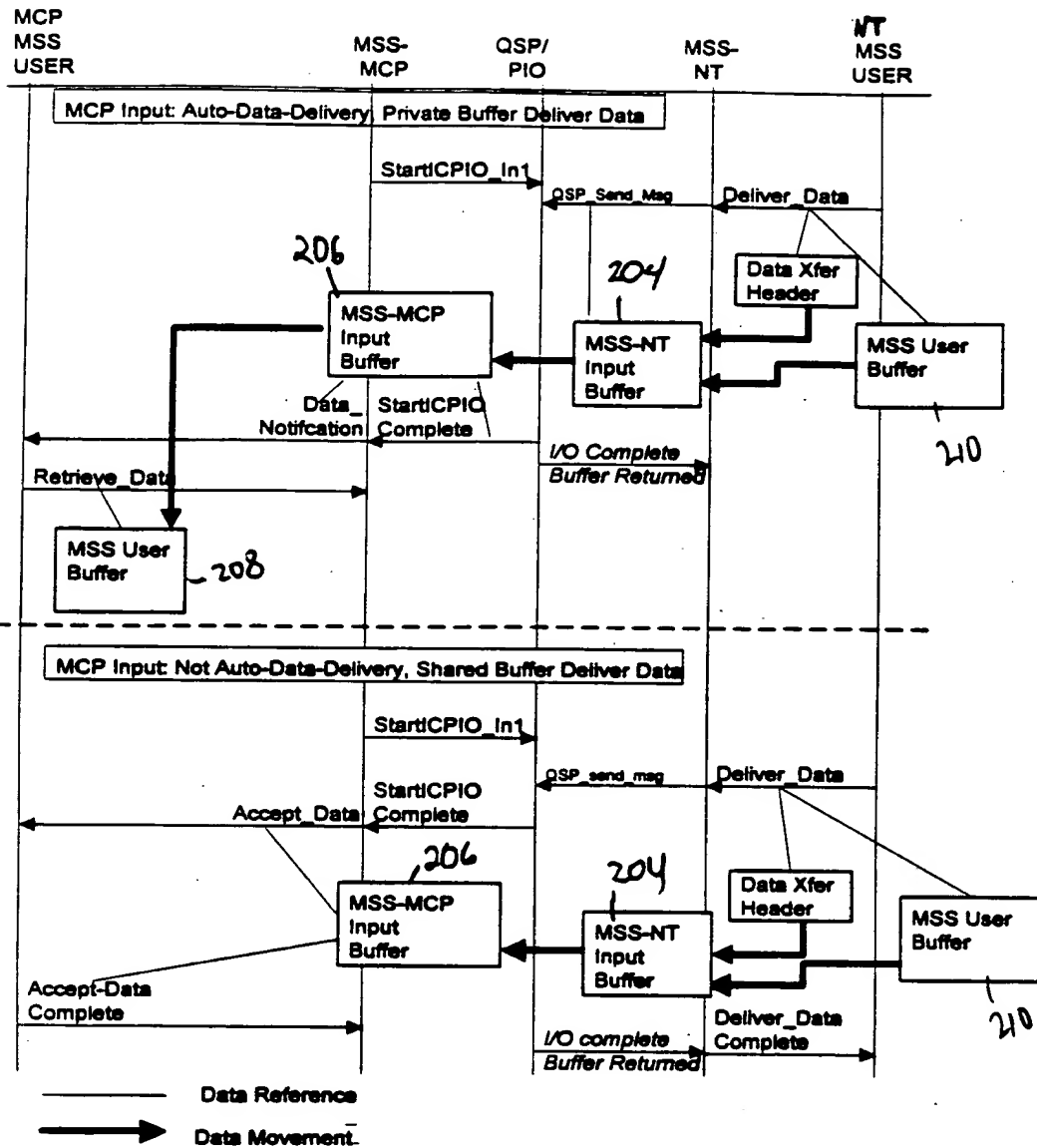


Figure 13. QSP-Based Input Data Transfer Flow Diagram

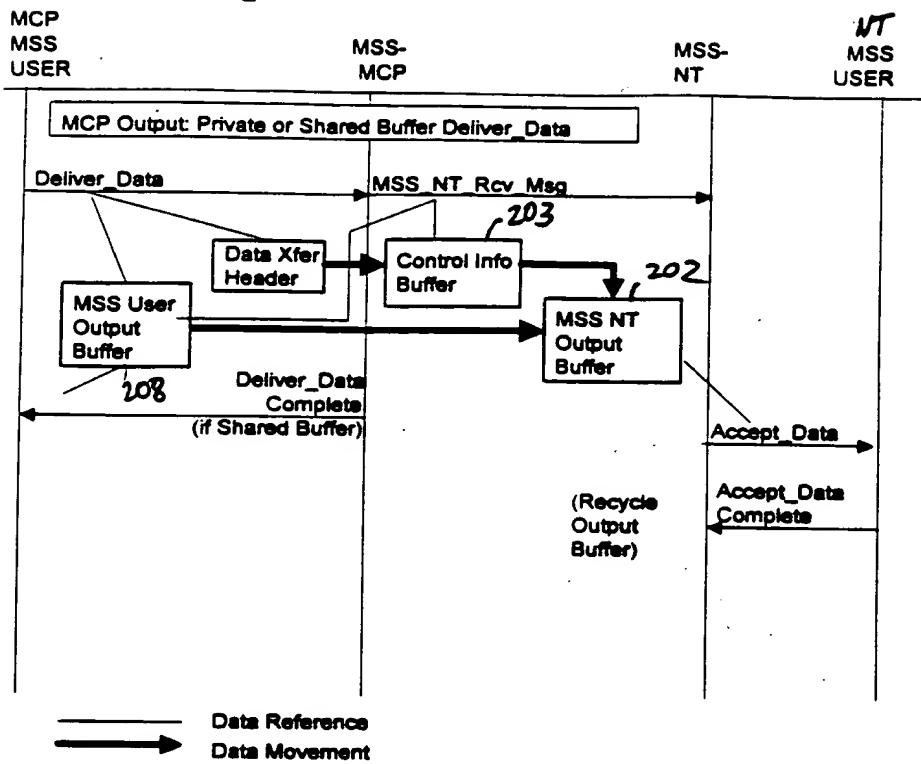


Figure 14 Emulation-Based Output Data Transfer Flow Diagram

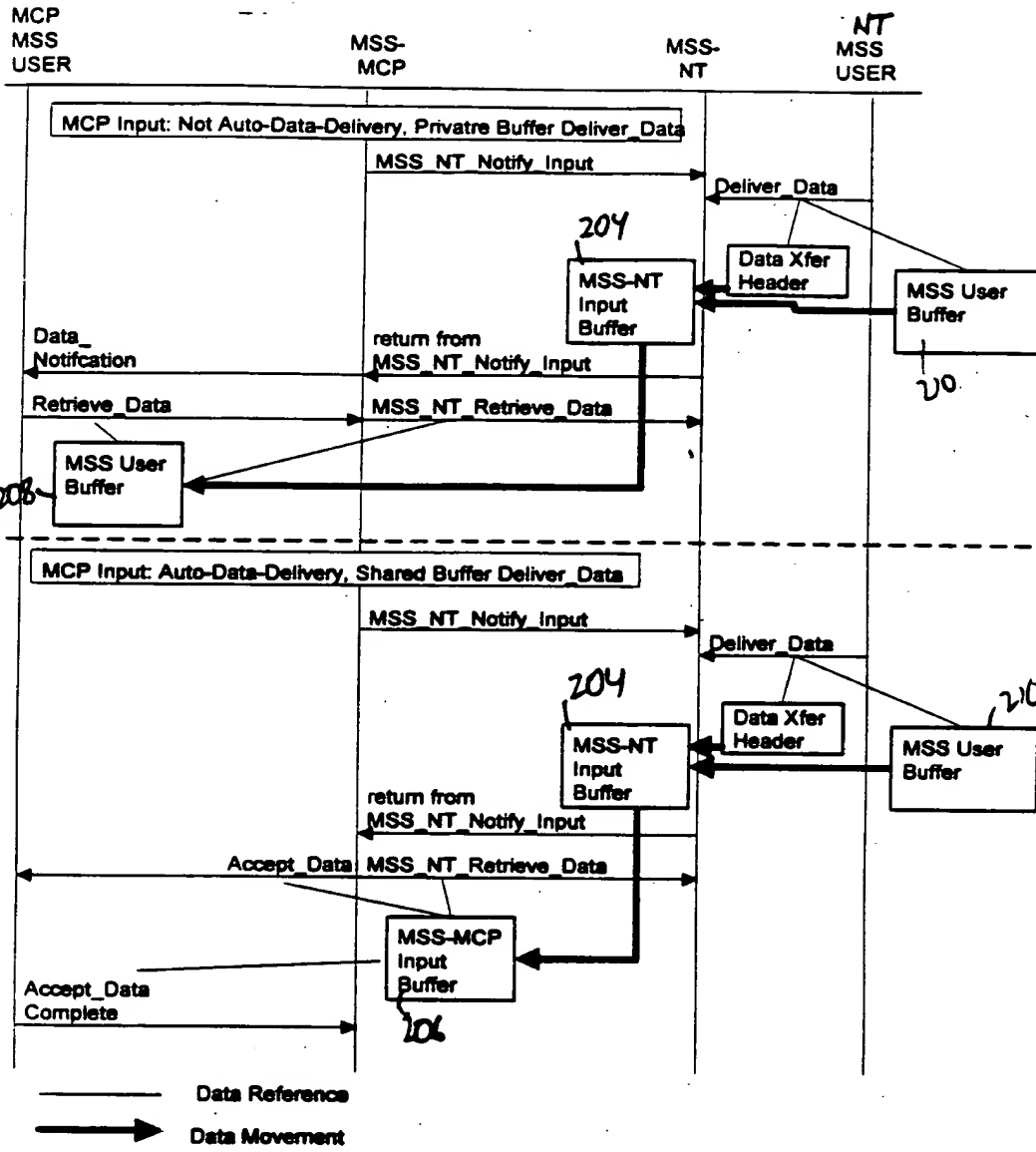


Figure 15 Emulation-Based Input Data Transfer Flow Diagram

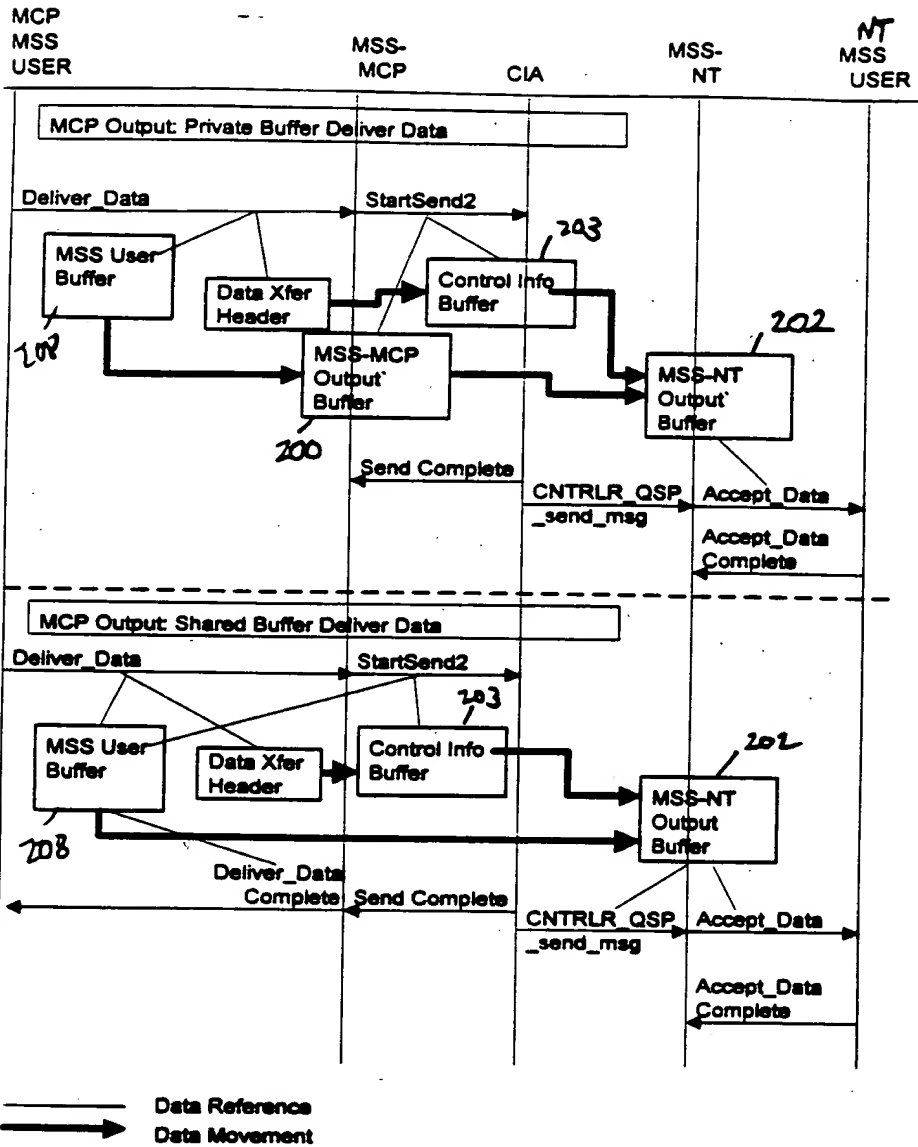


Figure 16 CIA-Based Output Data Transfer Flow Diagram

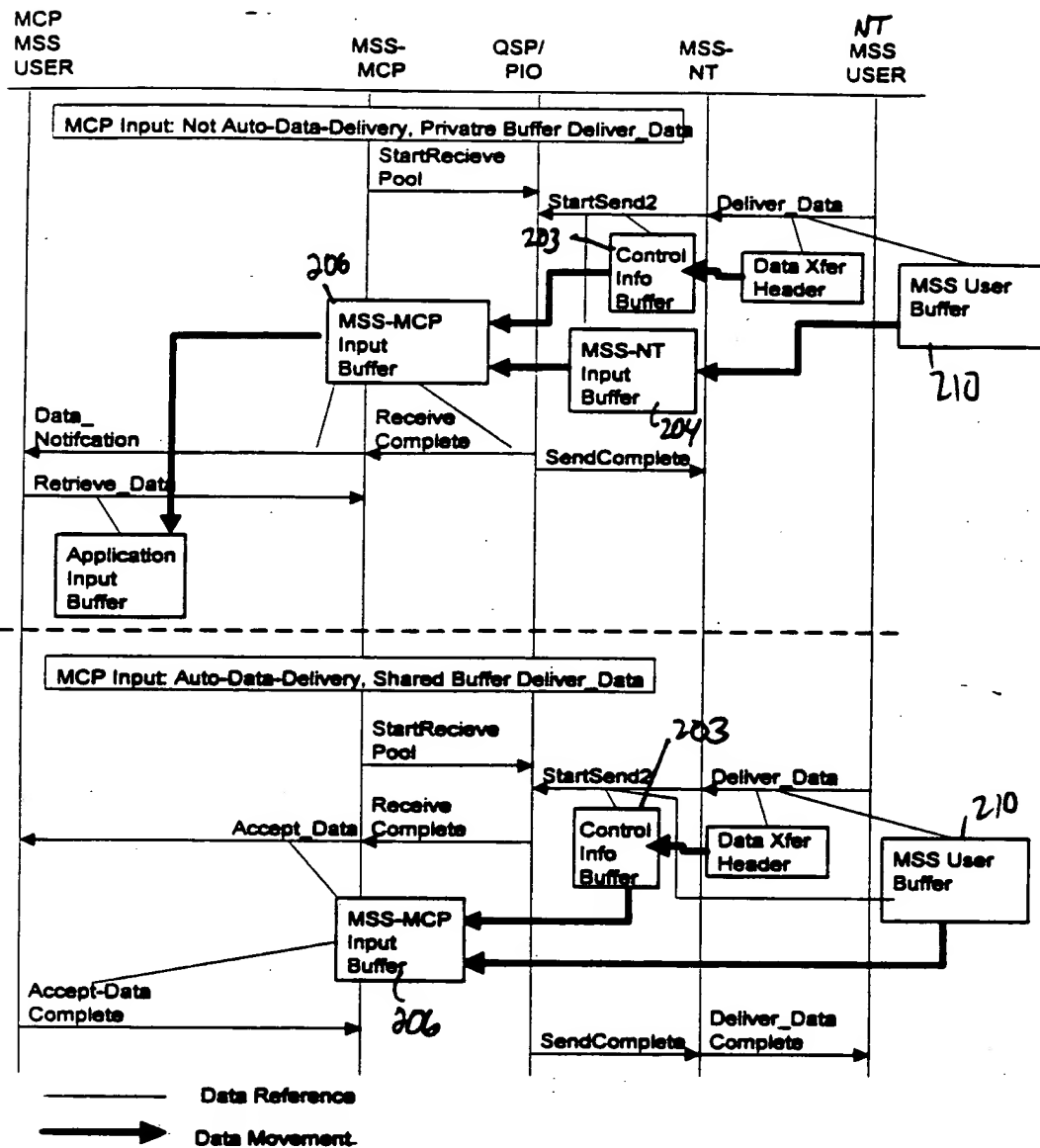
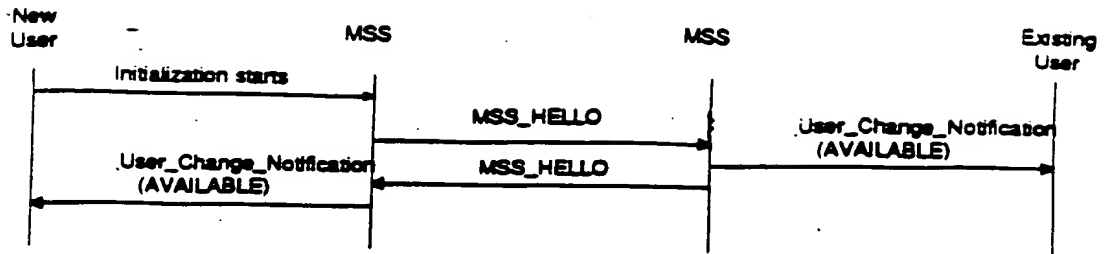
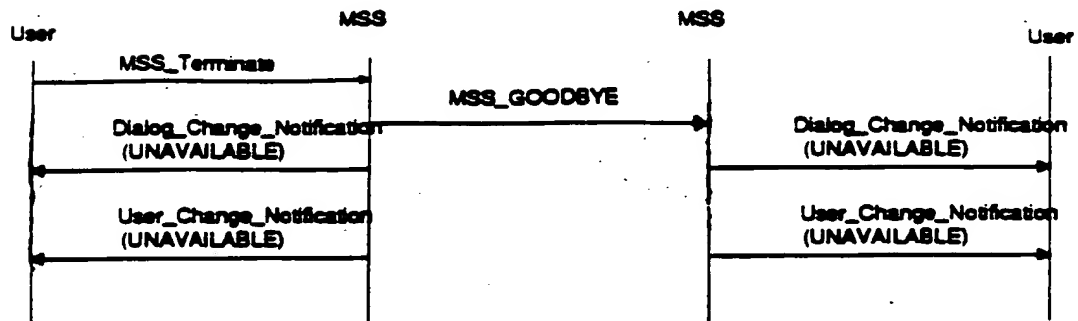


Figure 17 CIA-Based Input Data Transfer Flow Diagram



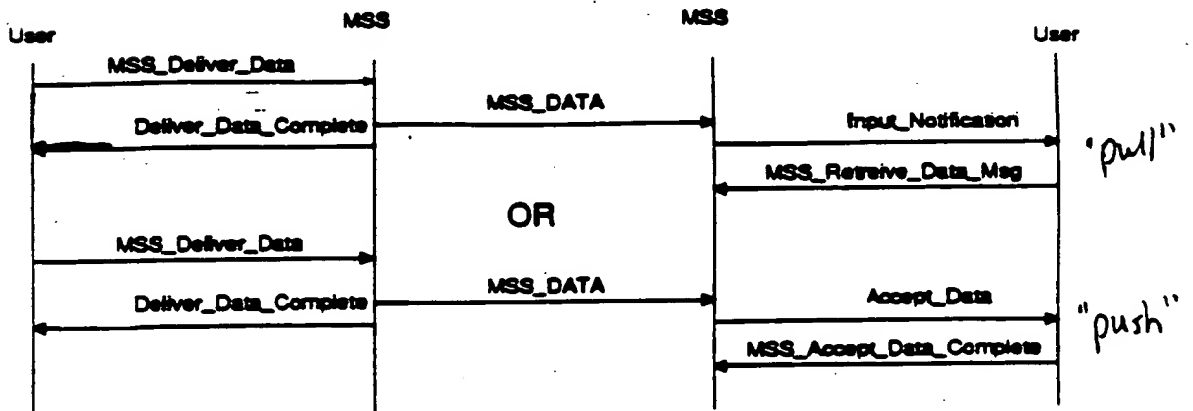
MSS Initialization / Greeting

FIGURE 18



MSS Termination

FIGURE 19



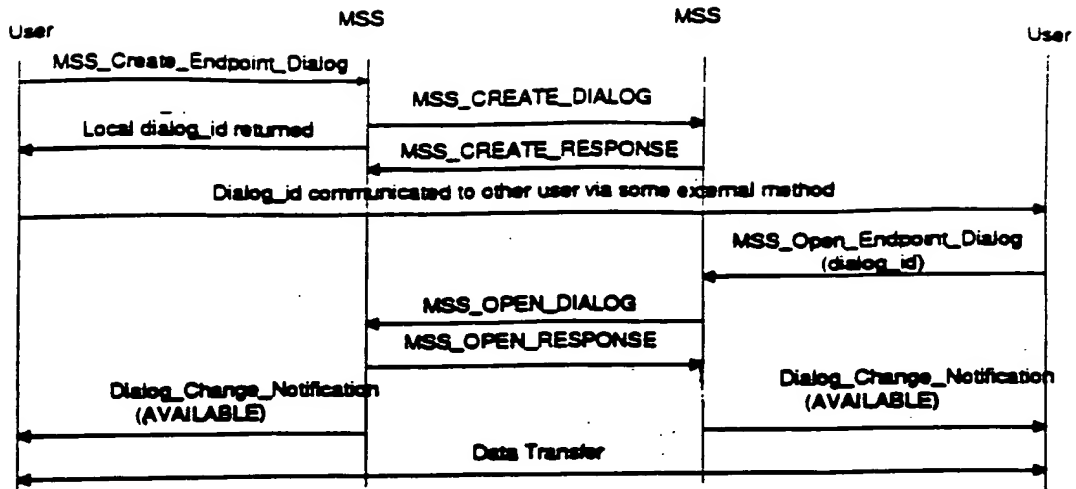
"pull"

"push"

MSS Data Transfer

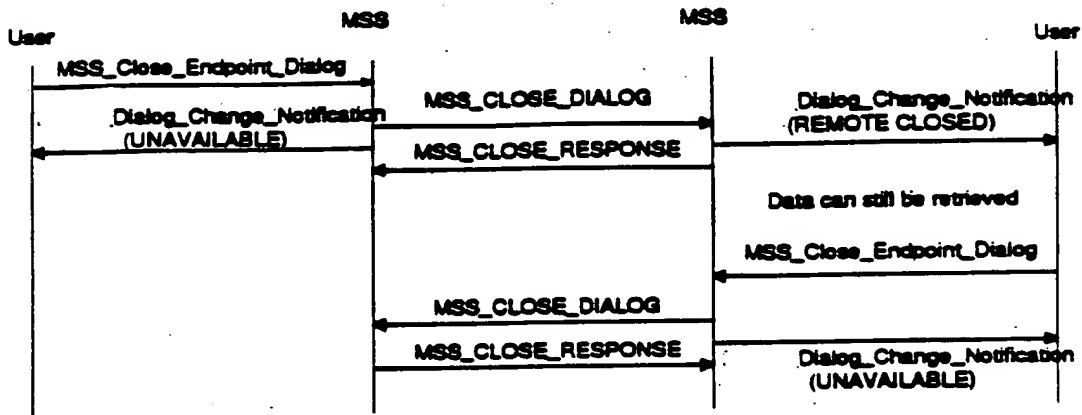
FIGURE 20

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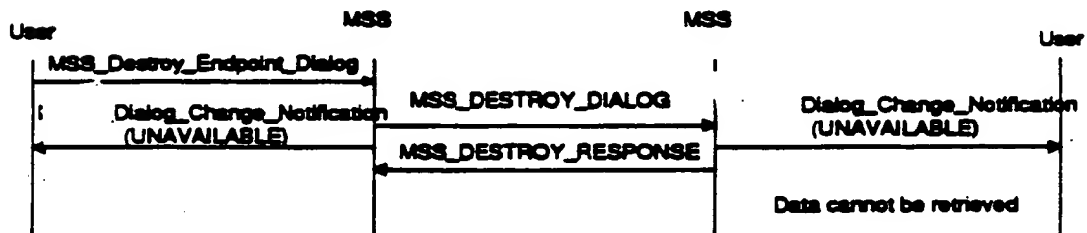
MSS Endpoint Dialog Creation

FIGURE 21



MSS Endpoint Dialog Termination (Normal Close)

FIGURE 22



MSS Endpoint Dialog Termination (Destroy)

FIGURE 23

DIALOG ESTABLISHMENT (MSS)

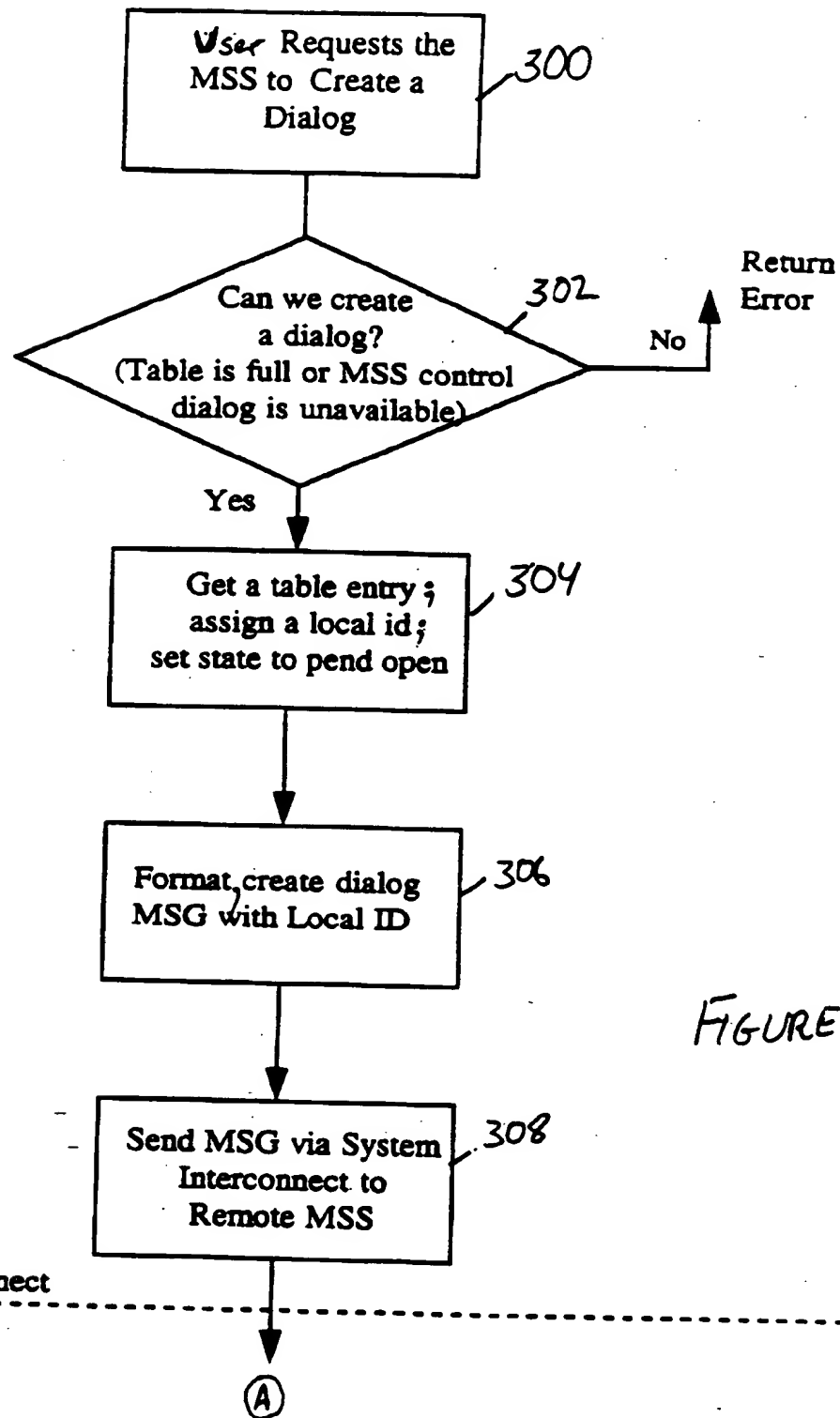
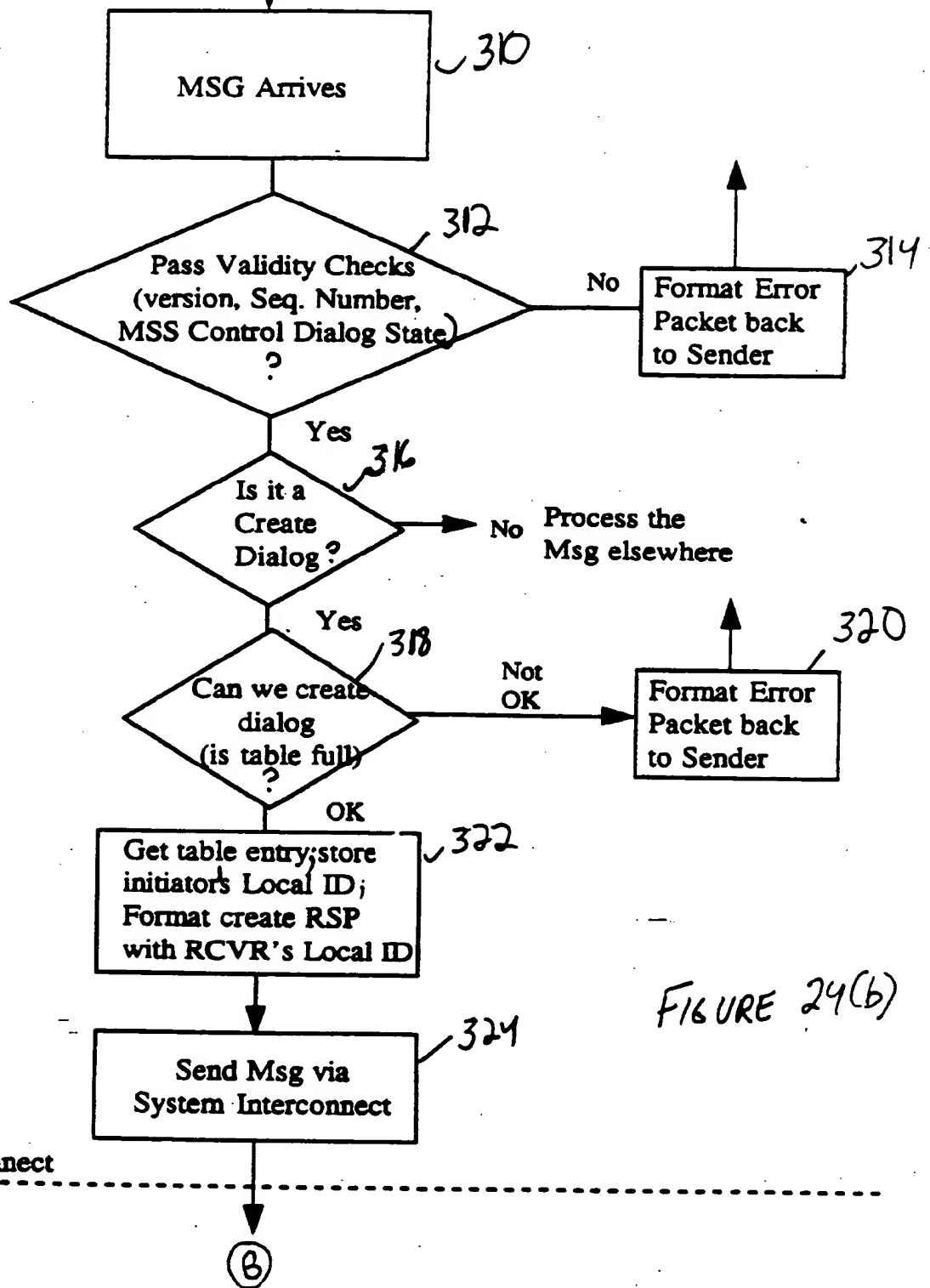


FIGURE 24(a)

09418083 101499

DIALOG ESTABLISHMENT (MSS)



DIALOG ESTABLISHMENT^(B) (MSS)

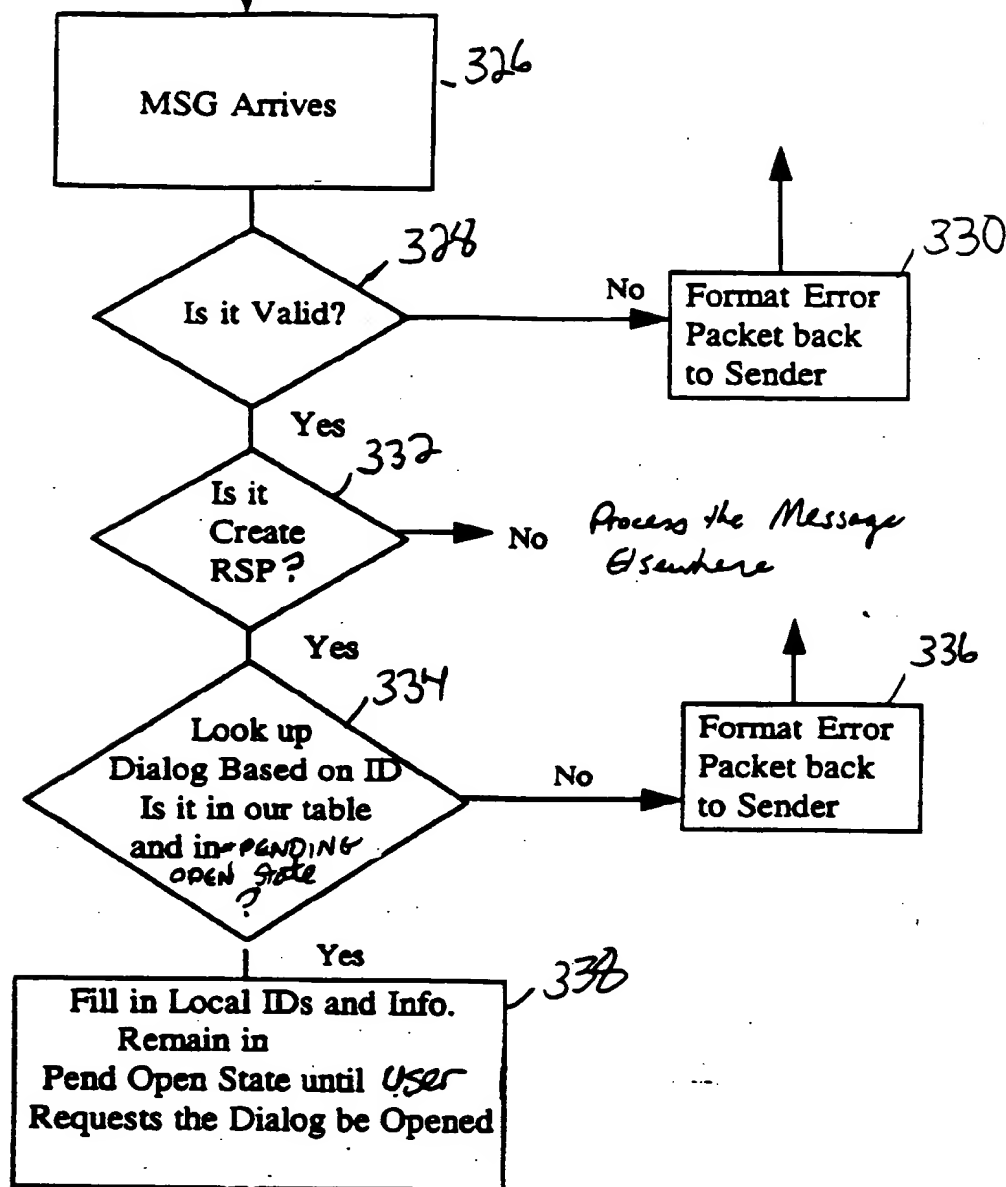


FIGURE 24(c)

09448083 101490

DIALOG ESTABLISHMENT (mss)

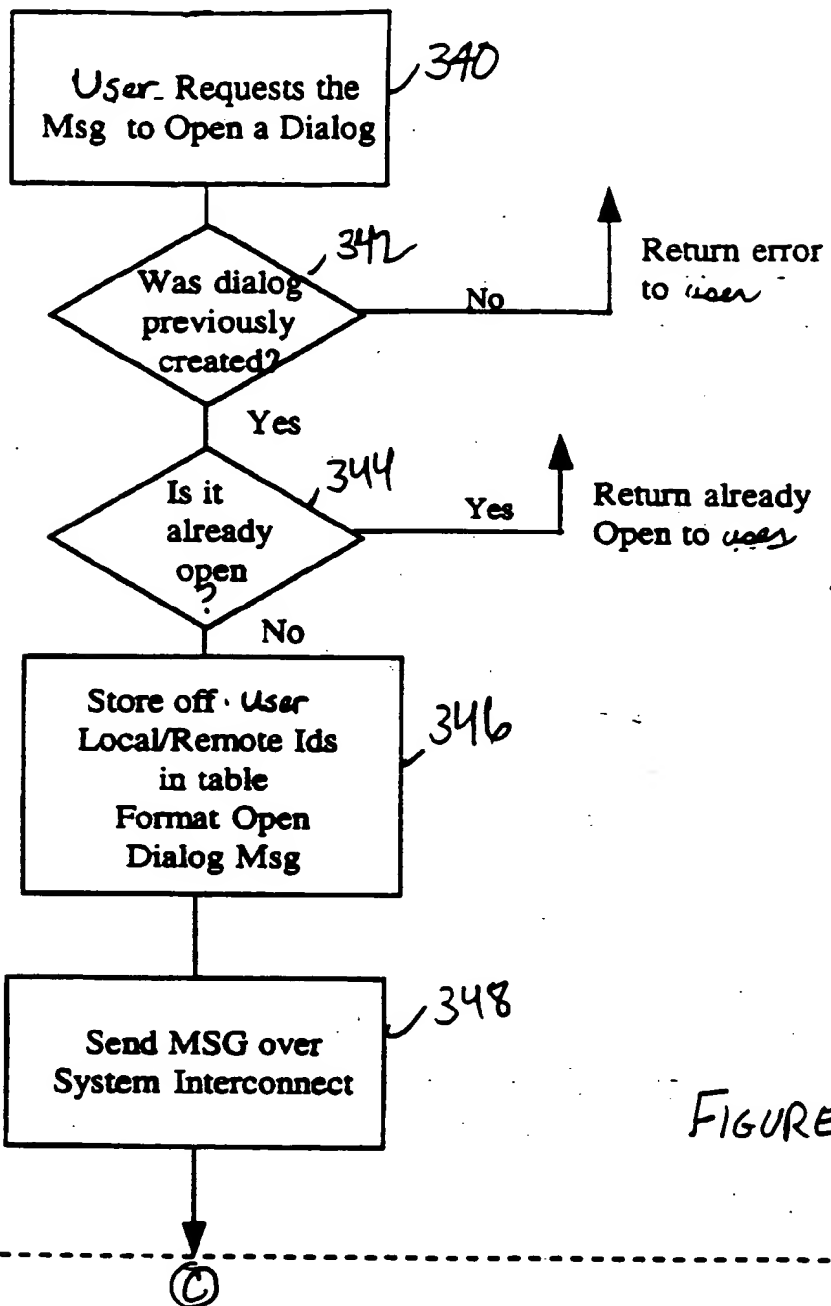


FIGURE 24(d)

09448083-101499

DIALOG ESTABLISHMENT

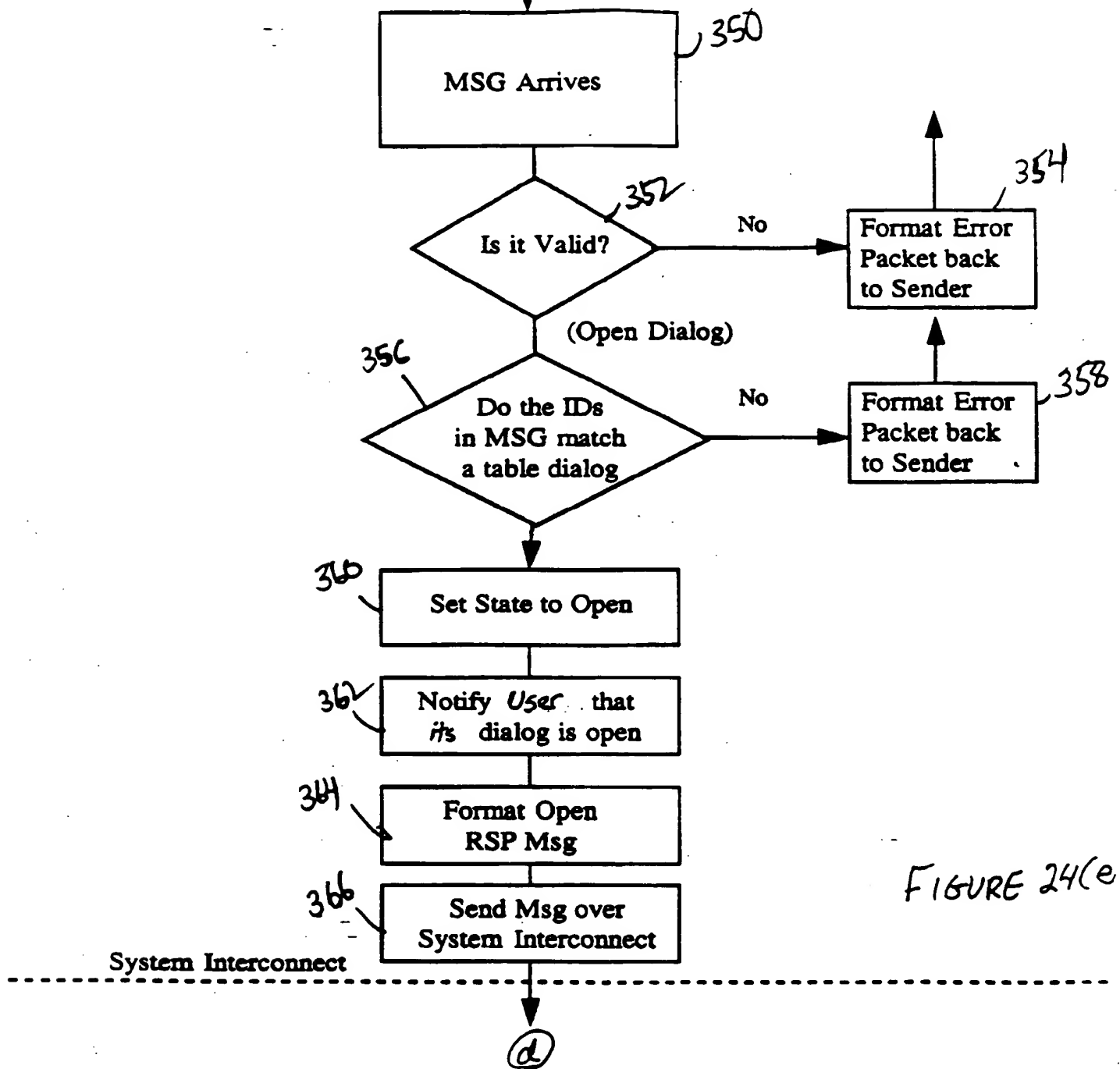


FIGURE 24(e)

664403-103499

DIALOG ESTABLISHMENT

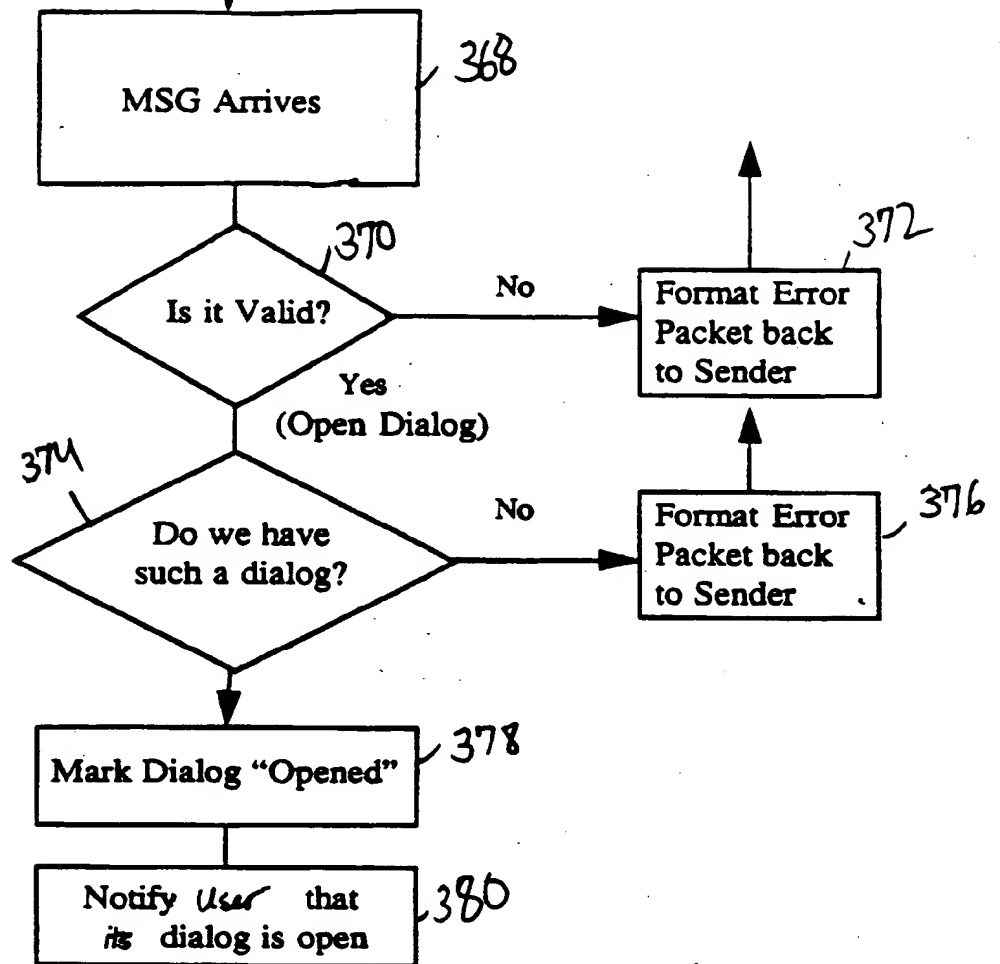
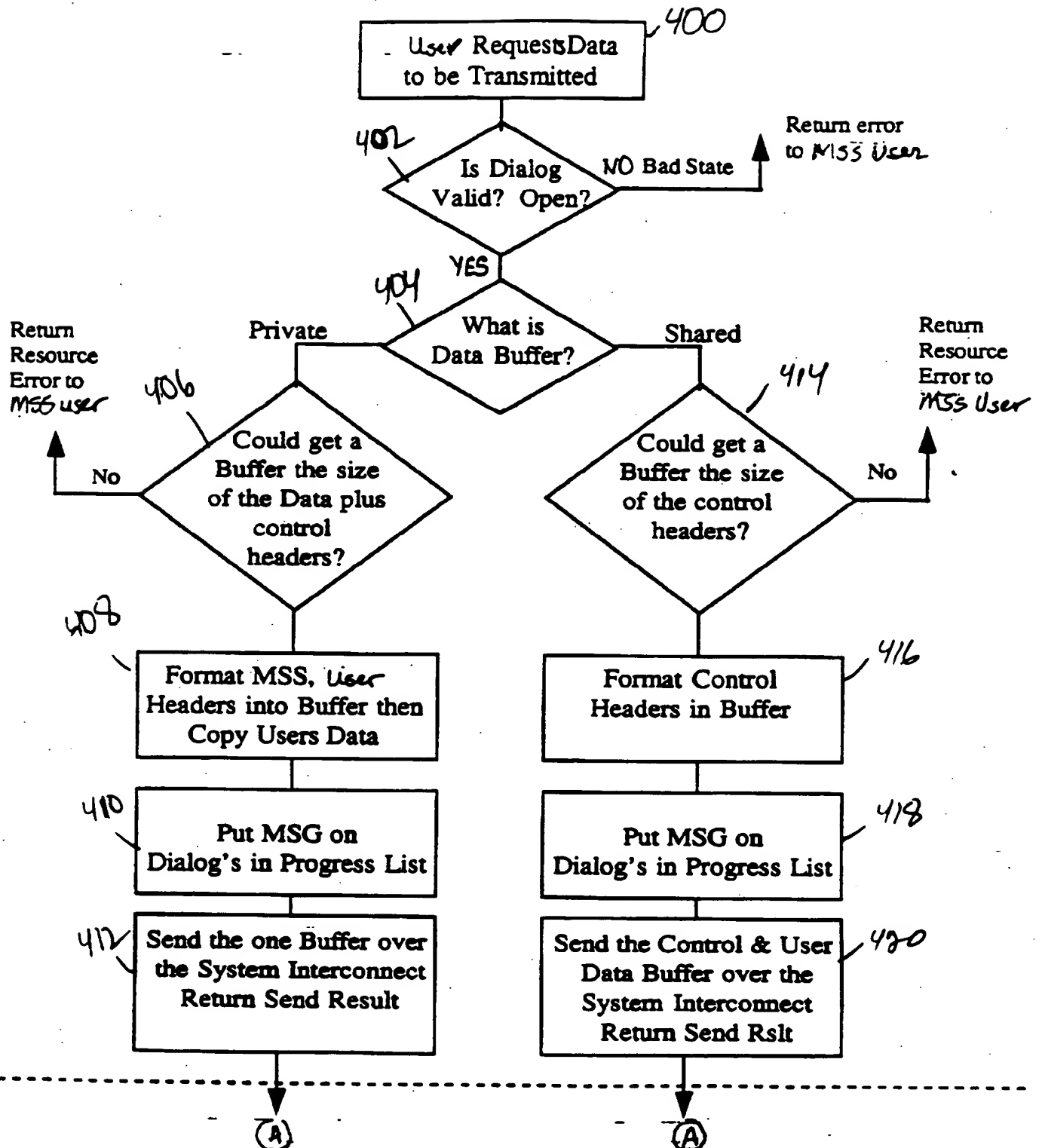


FIGURE 24(f)

00448033 104490

Output Over MSS

FIGURE 25(a)



664707-38087460

Output

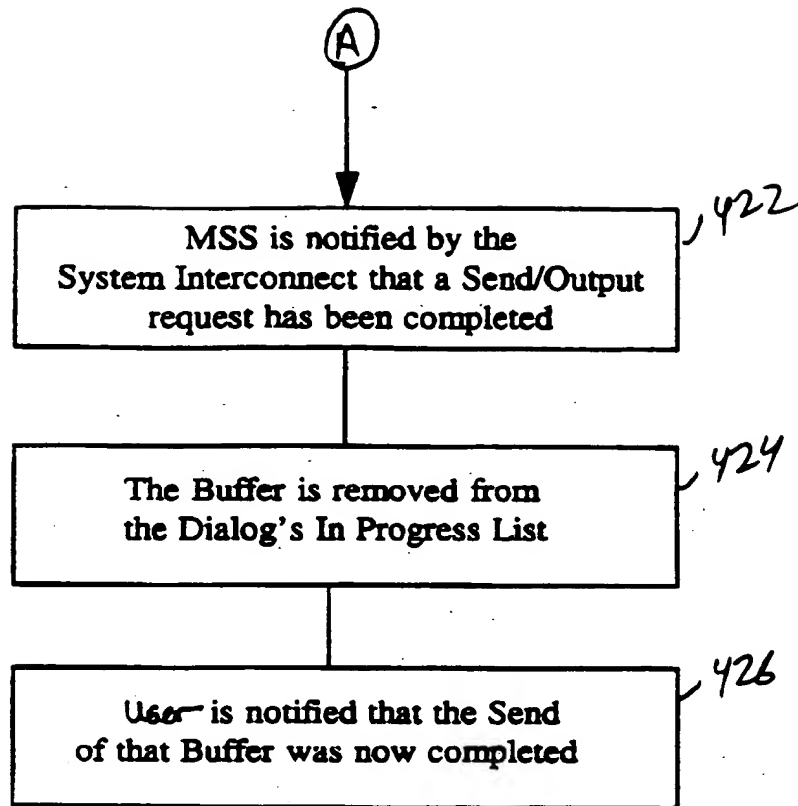


FIGURE 25(b)

INPUT From MSS

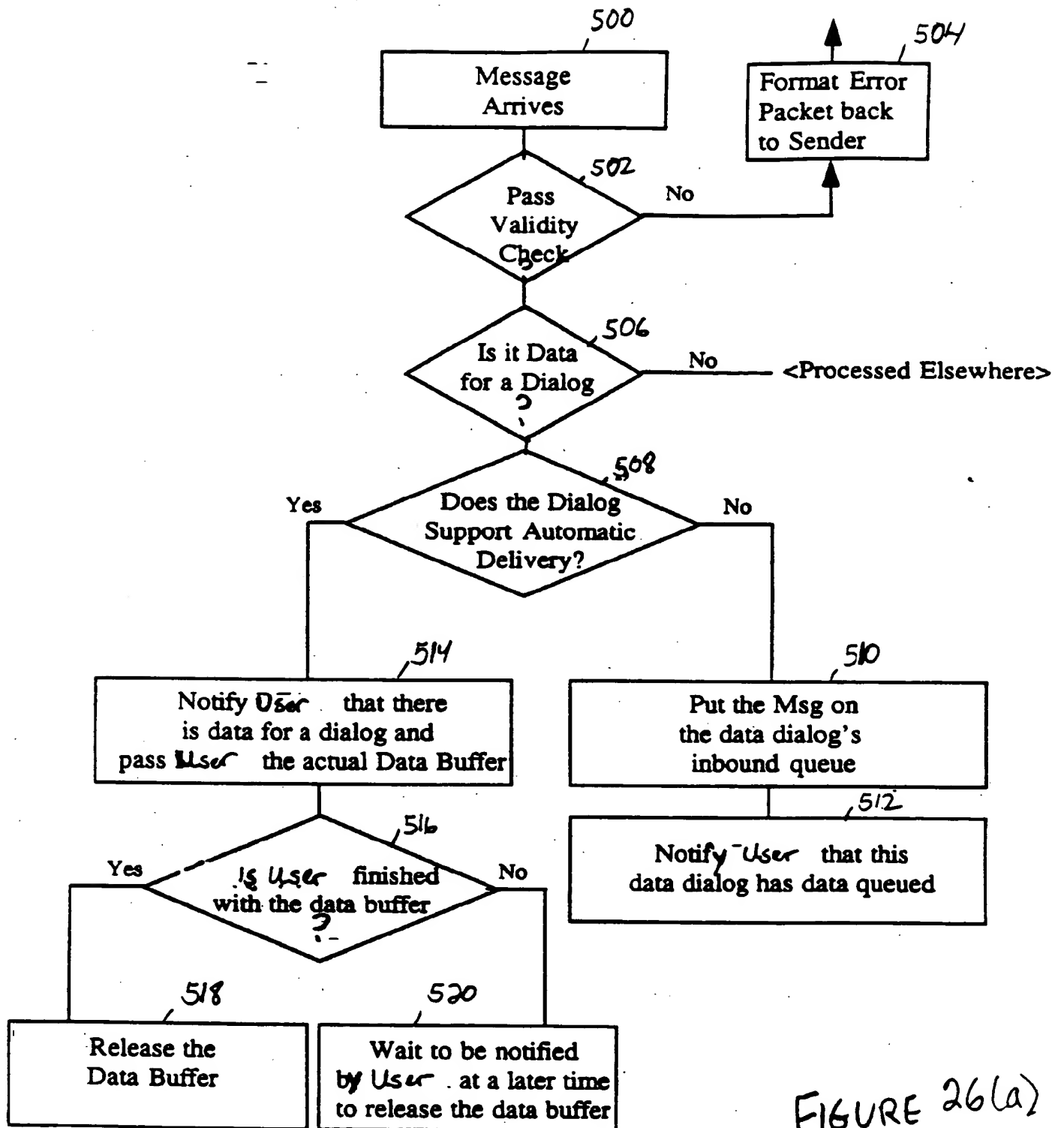


FIGURE 26(a)

INPUT FROM MSS

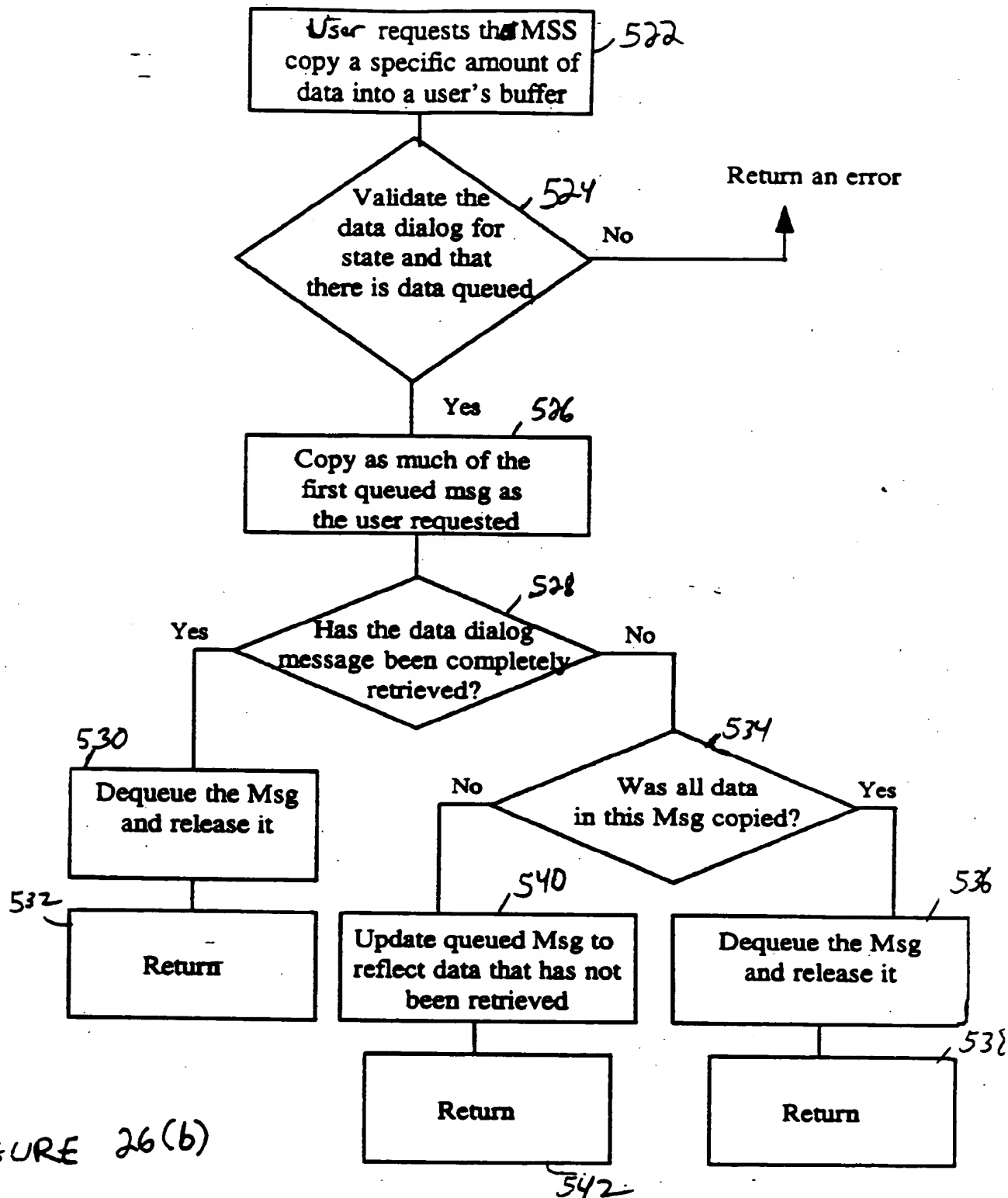


FIGURE 26(b)

09448083 104499 664401 E808460

DIALOG TERMINATION (MSS)

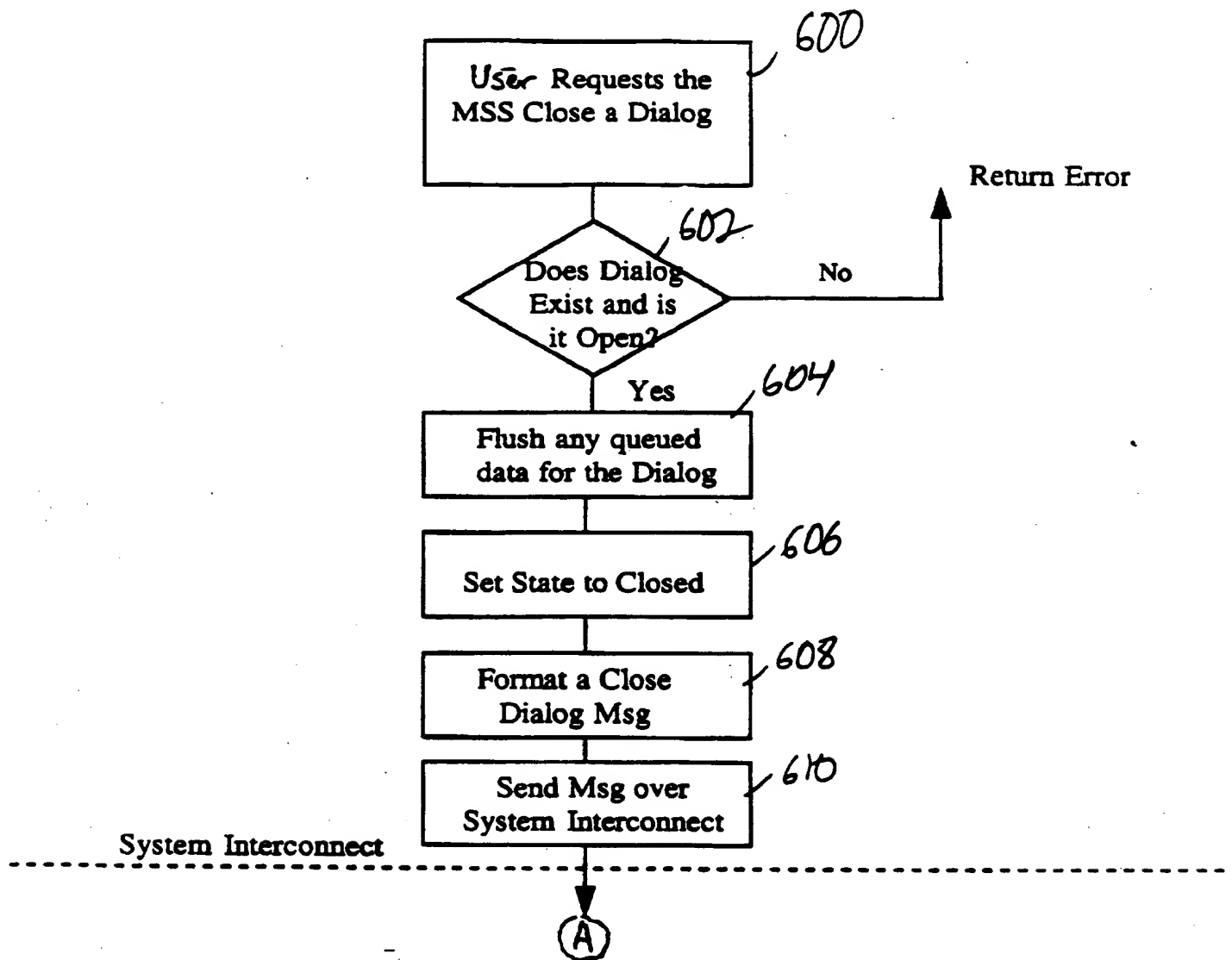


FIGURE 27(a)

DIALOG TERMINATION (MSS)

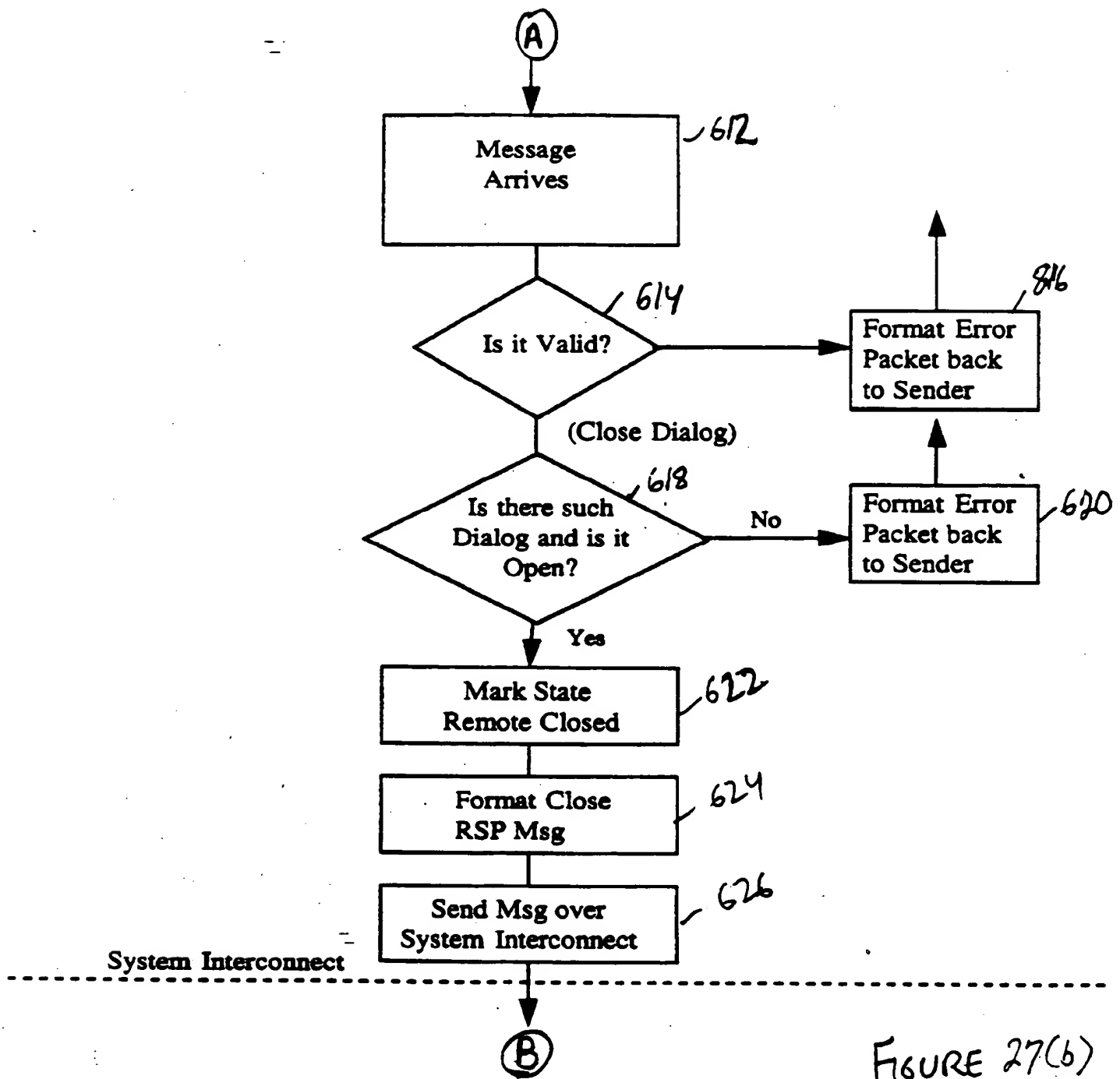


FIGURE 27(b)

DIALOG TERMINATION (MISS)

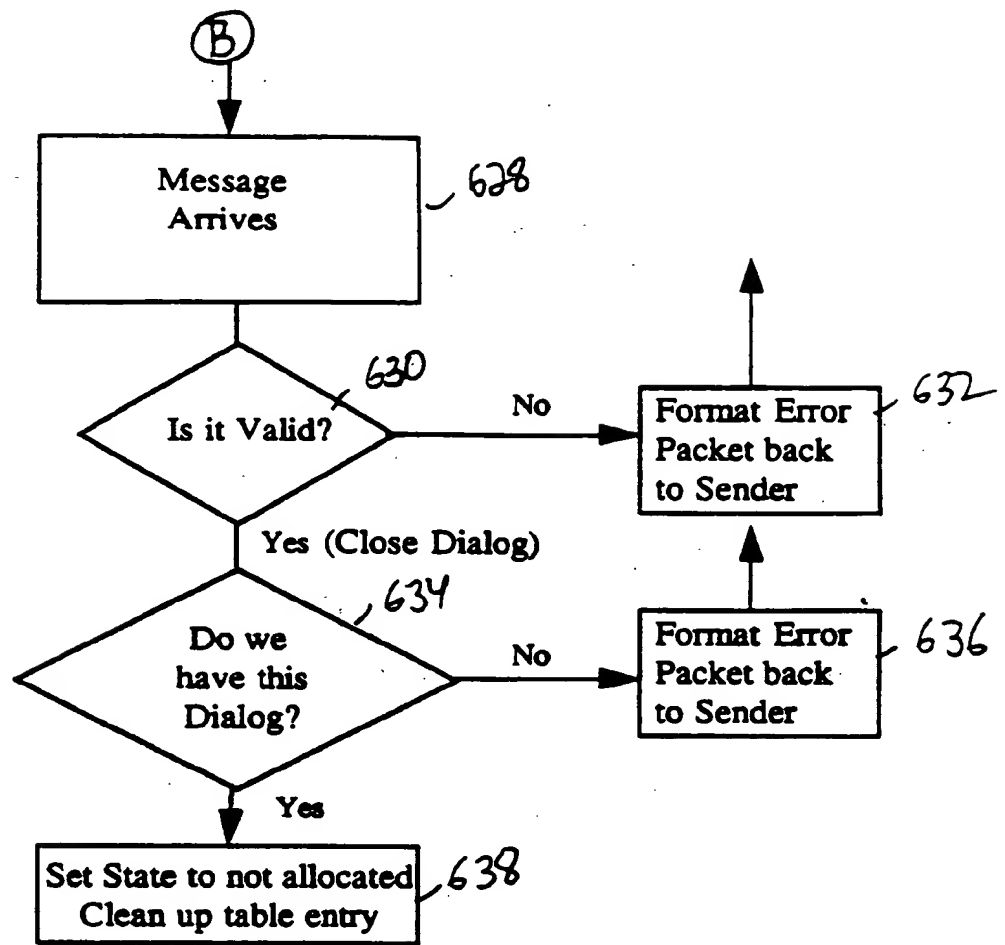
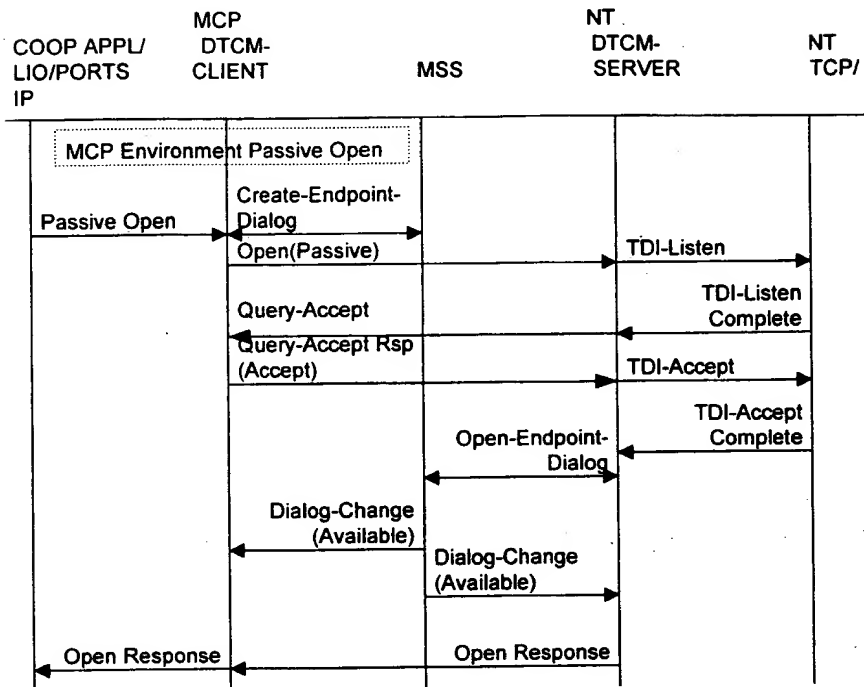


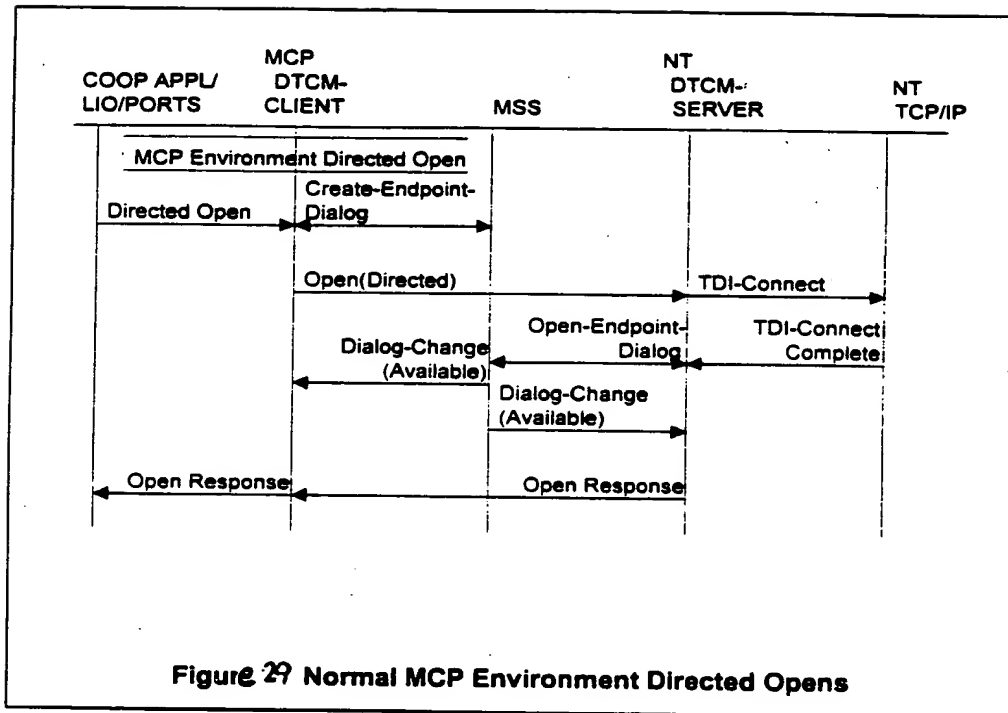
FIGURE 27(c)

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“Figure 28 – Normal MCP Passive Open”



0541803 10460



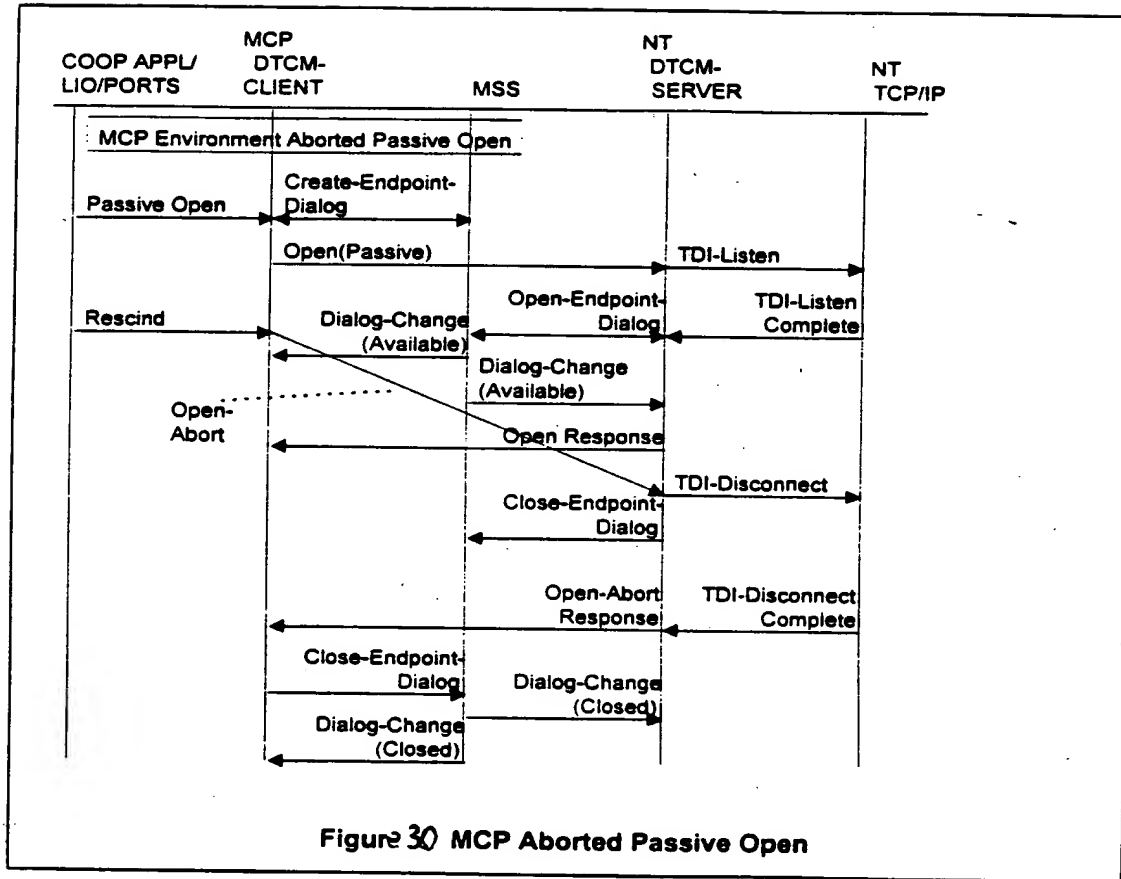
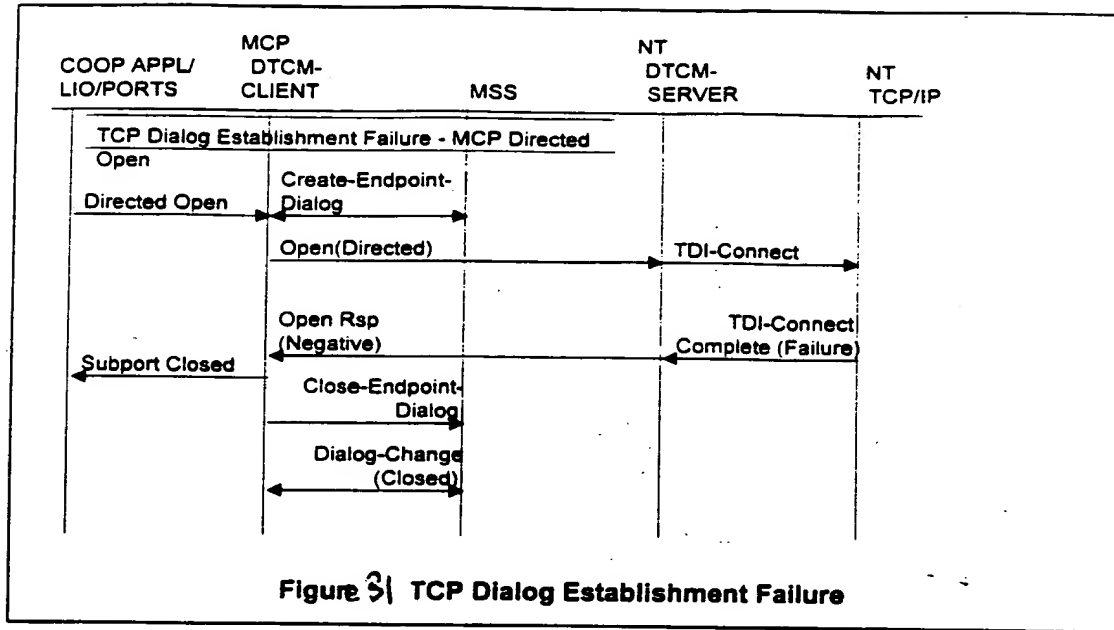
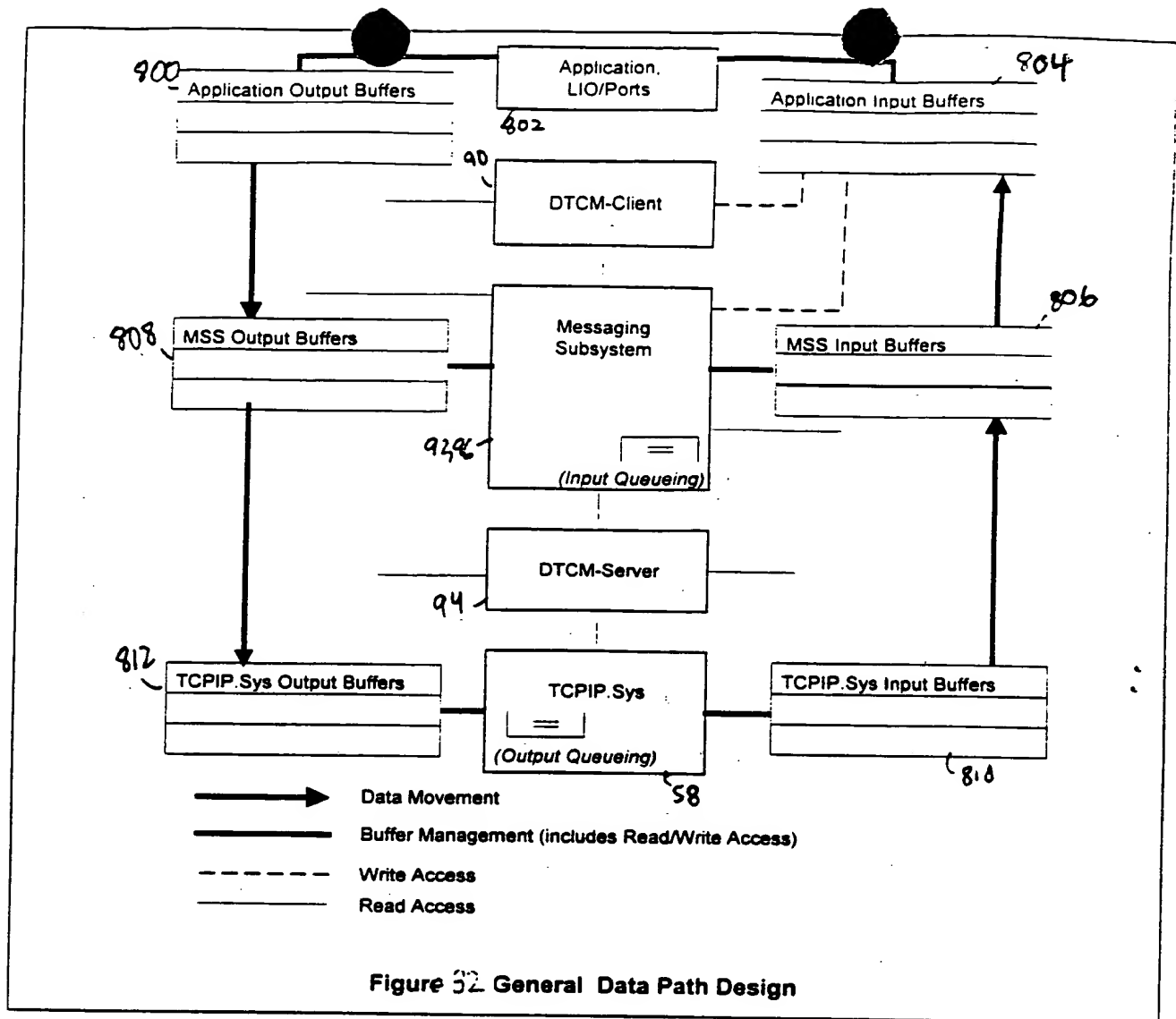


Figure 30 MCP Aborted Passive Open





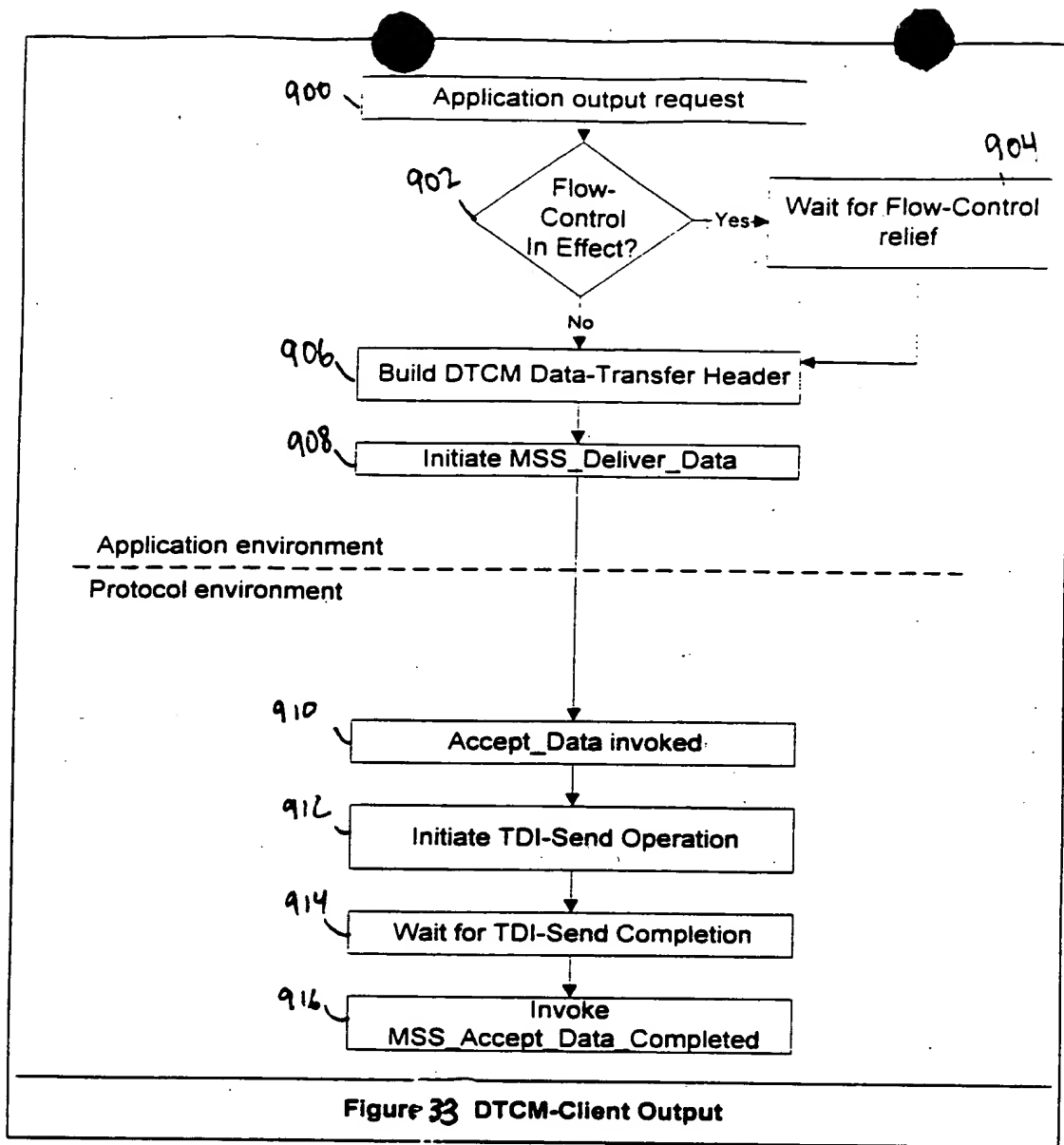


Figure 33 DTCM-Client Output

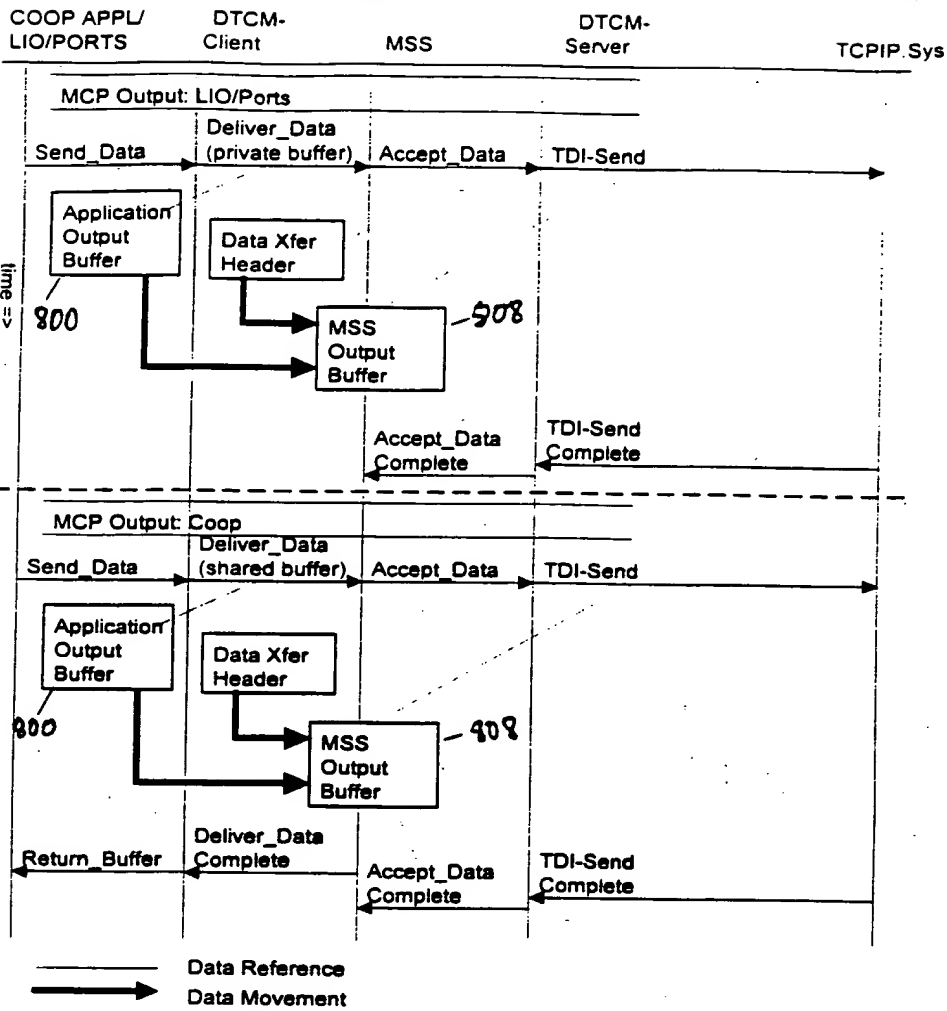


Figure 34 General Output Data Transfer Flow Diagram

094383 10460

0941303 10449

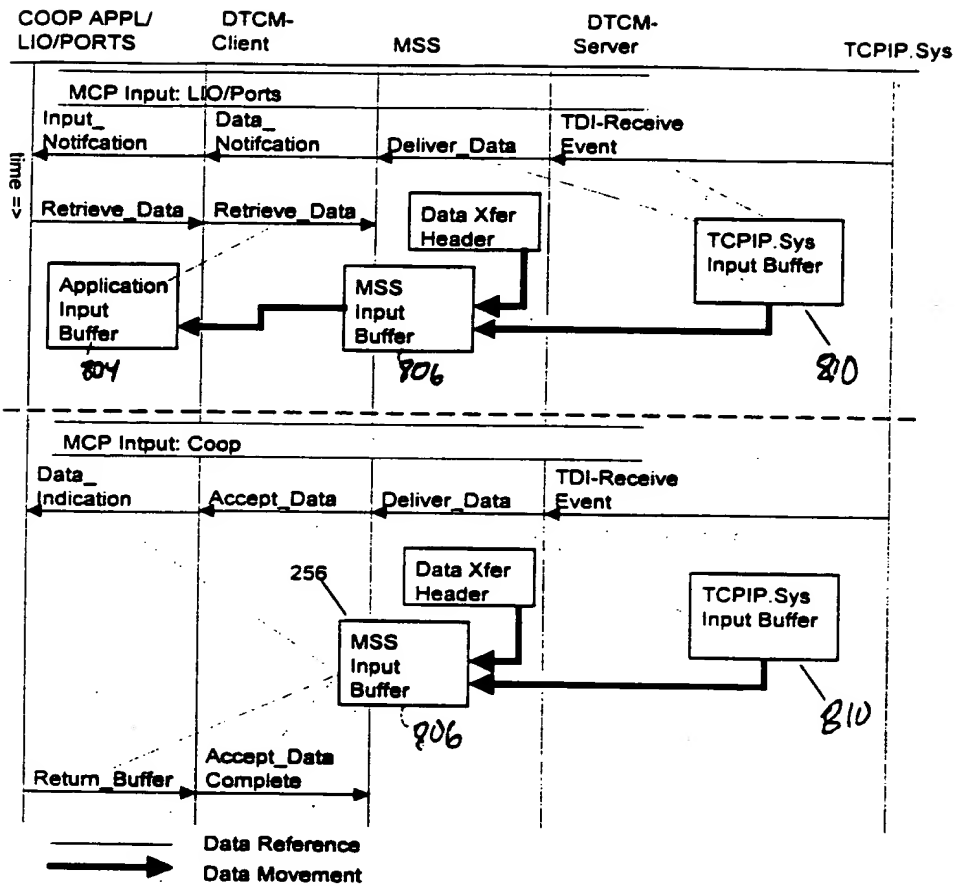
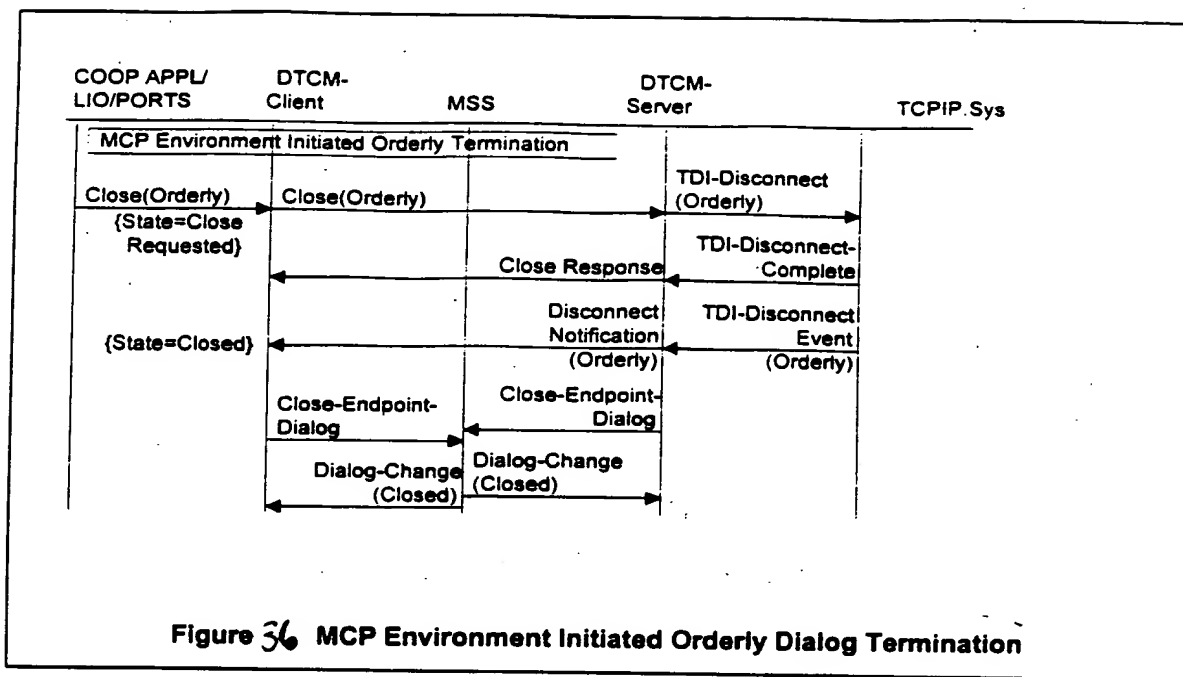
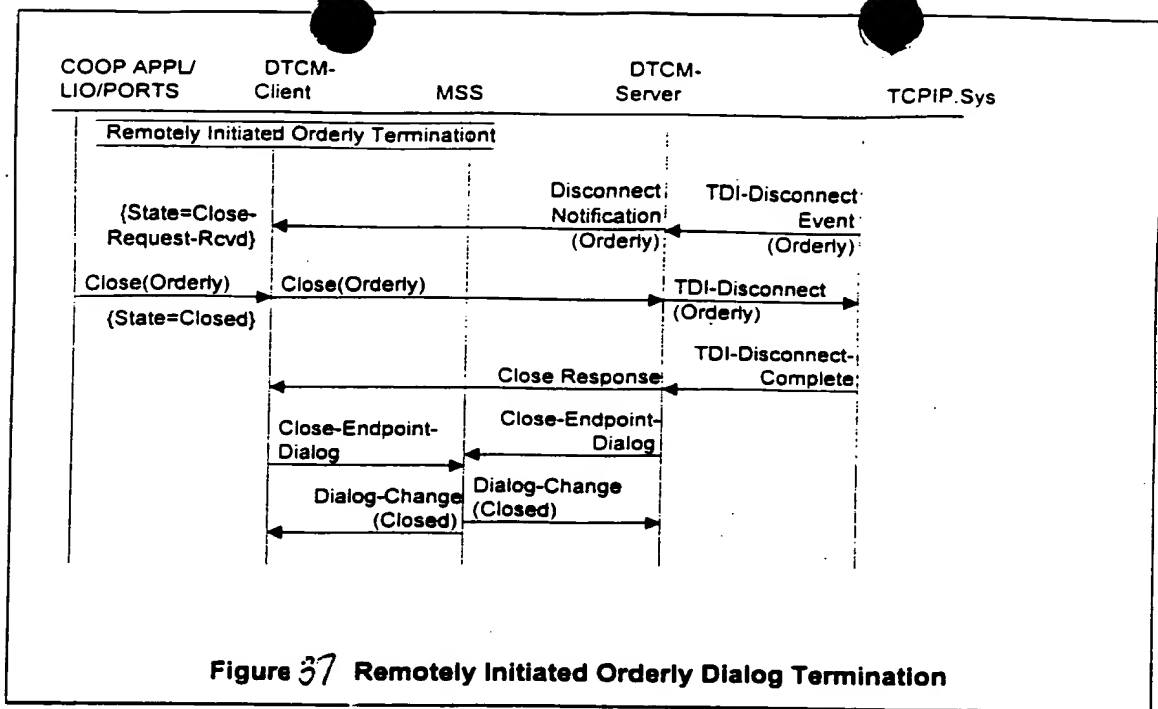


Figure 35 General Input Data Transfer Flow Diagram



664707 "E3037450



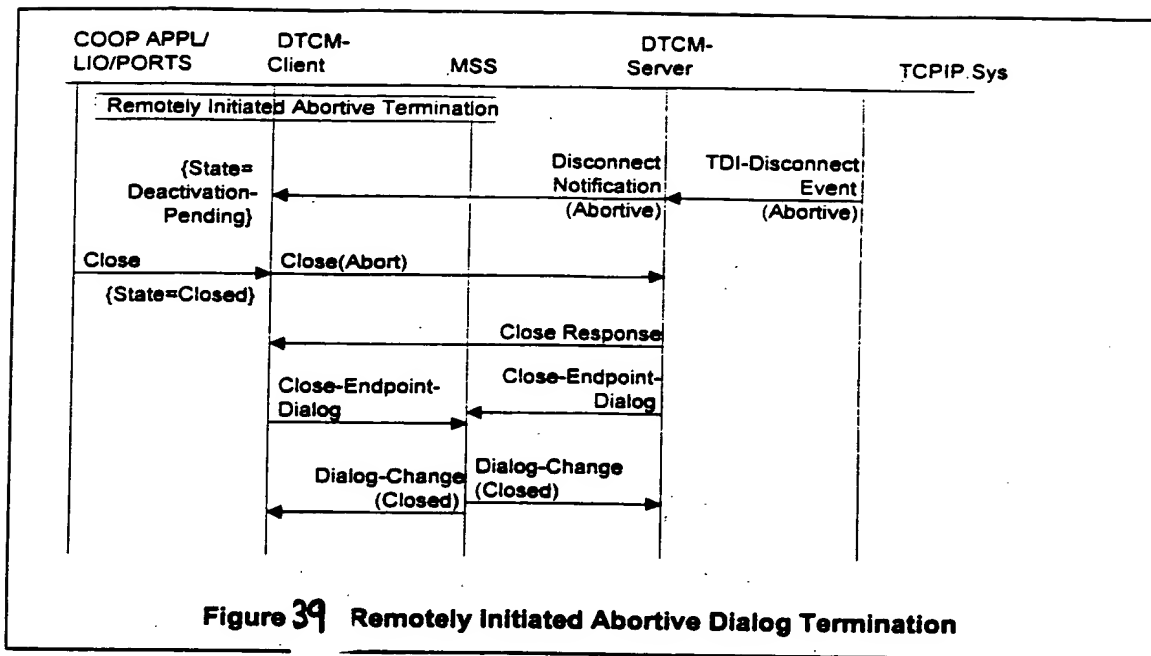


Figure 39 Remotely Initiated Abortive Dialog Termination